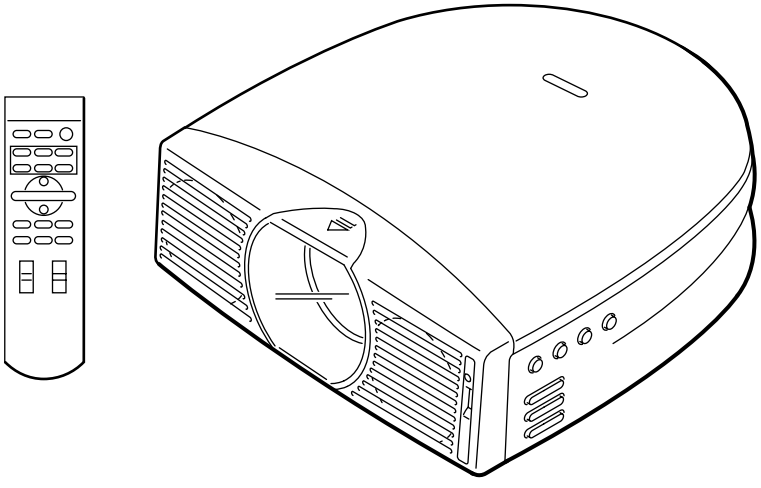
SERVICE MANUAL

MODEL	DEST.
VPL-HS10	WORLD

MODEL	DEST.
RM-PJHS10	WORLD
VPLL-CT10	WORLD
VPLL-CW10	WORLD

REVISED-1



VPL-HS10	Video Projector
VPLL-CT10/CW10	Projection Lens (Not Included)
RM-PJHS10	Remote Commander

VIDEO PROJECTOR

SONY

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠ WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠ MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D’ÉVITER TOUT RISQUE D’ÉLECTROCUTION PROVENANT D’UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D’ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L’ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D’UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

For the customers in the Netherlands
Voor de klanten in Nederland

Hoe u de batterijen moet verwijderen, leest u in de tekst van deze handleiding.

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).

Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert “Batterie leer” oder nach längerer Gebrauchsdauer der Batterien “nicht mehr einwandfrei funktioniert”. Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

Table of Contents

1. Service Informations

1-1. Board Layouts 1-1
1-2. Disassembly 1-2
1-2-1. Front Panel Assy and Side Cover Assy Removal 1-2
1-2-2. HA, HB and NR Boards Removal 1-3
1-2-3. HC, NF Boards and DC Fan Removal 1-3
1-2-4. C Board Removal 1-4
1-2-5. B Board Removal 1-4
1-2-6. MS Board Removal 1-5
1-2-7. G Board and Lamp Power Supply Block Removal 1-6
1-2-8. MD, F Boards and Speaker Removal 1-7
1-2-9. Optics Block Assy and U Board Removal 1-8
1-2-10. QA and QB Boards Removal 1-9
1-2-11. Extension Board and EXtension Connectors 1-10
1-2-12. Extension Board and Extension Connectors Connection 1-11
1-2-13. Connection Example 1-12
1-3. Service Knowhow 1-13
1-3-1. After Replacing the Prism Block 1-13
1-3-2. After Replacing the Board 1-13
1-4. Memory 1-14
1-5. Warning on Power Connection 1-16

2. Electrical Adjustments

2-1. Preparations 2-1
2-1-1. Equipment Required 2-1
2-1-2. Factory Mode Setting 2-1
2-2. V COM Adjustment 2-1
2-3. Adjustment Item Initialize Data 2-3
2-4. White Balance Adjustment on Servicing 2-8
2-4-1. White Balance Adjustment 2-8
2-5. Tilt Adjustment 2-8

3. Semiconductors

..... 3-1

4. Spare Parts

4-1. Notes on Repair Parts 4-1
4-2. Exploded Views 4-2
4-2-1. Cover 4-2
4-2-2. Chassis 4-4
4-2-3. Base 4-6
4-2-4. Optics 4-8
4-3. Electrical Parts List 4-10
4-4. Packing Materials & Supplied Accessories 4-34
4-5. VPLL-CT10 4-34
4-6. VPLL-CW10 4-34

5. Block Diagrams

B, QA, QB and U Block 5-1
C, HA, HB, HC, L, MD, NF and NR Block 5-2
F and G Block 5-4
MS Block 5-5

6. Diagrams

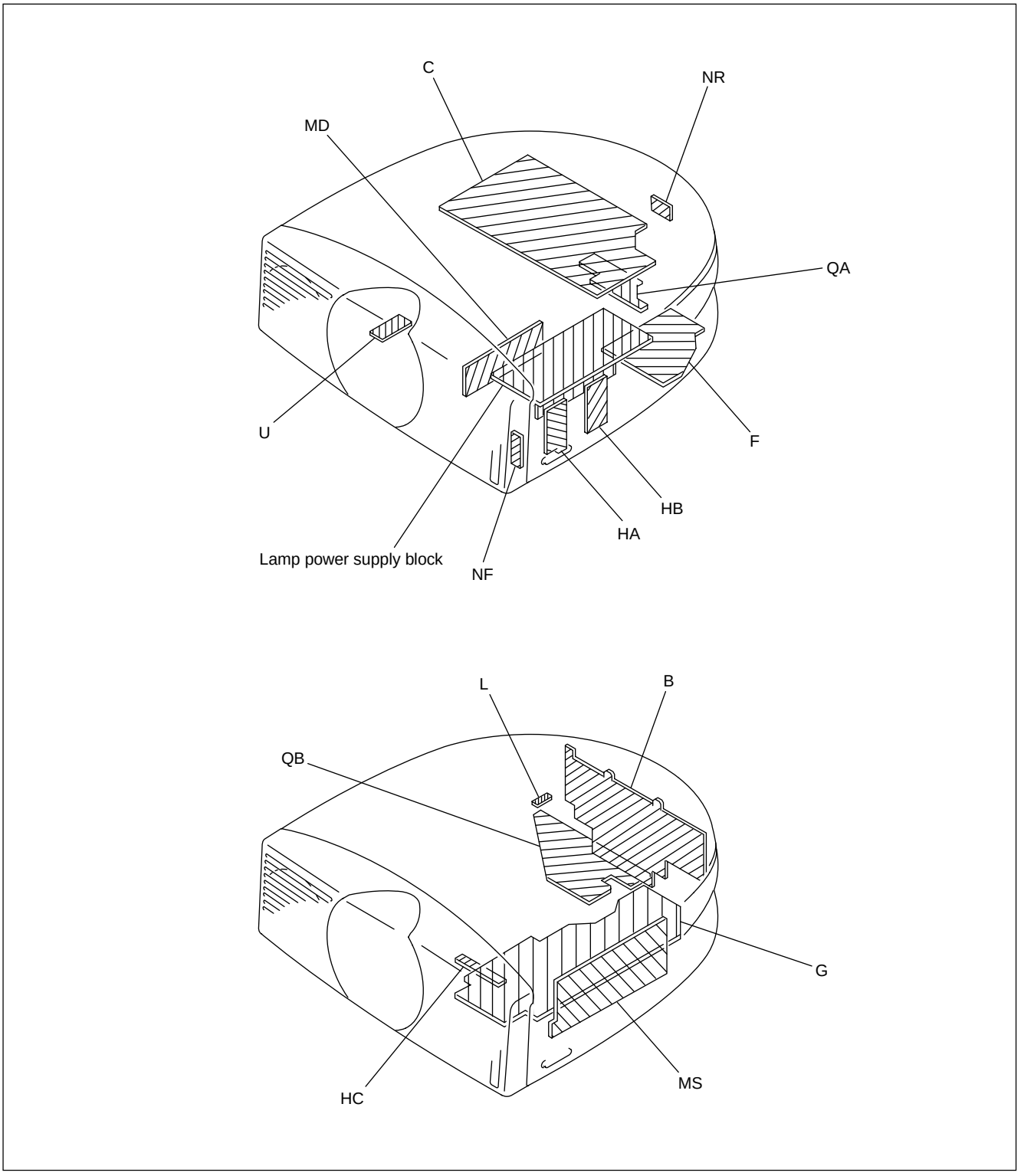
6-1. Frame Schematic Diagram 6-2
6-2. Schematic Diagrams and Printed Wiring Boards 6-4
Schematic Diagrams
B 6-5
C 6-15
F 6-30
G 6-31
HA 6-34
HB 6-35
HC 6-36
L 6-37
MD 6-39
MS 6-40
NF 6-44
NR 6-44
QB 6-46
QA 6-49
U 6-50

Printed Wiring Boards

B 6-14
C 6-26
F 6-30
G 6-33
HA 6-34
HB 6-35
HC 6-36
L 6-37
MD 6-38
MS 6-43
NF 6-44
NR 6-44
QB 6-45
QA 6-48
U 6-50

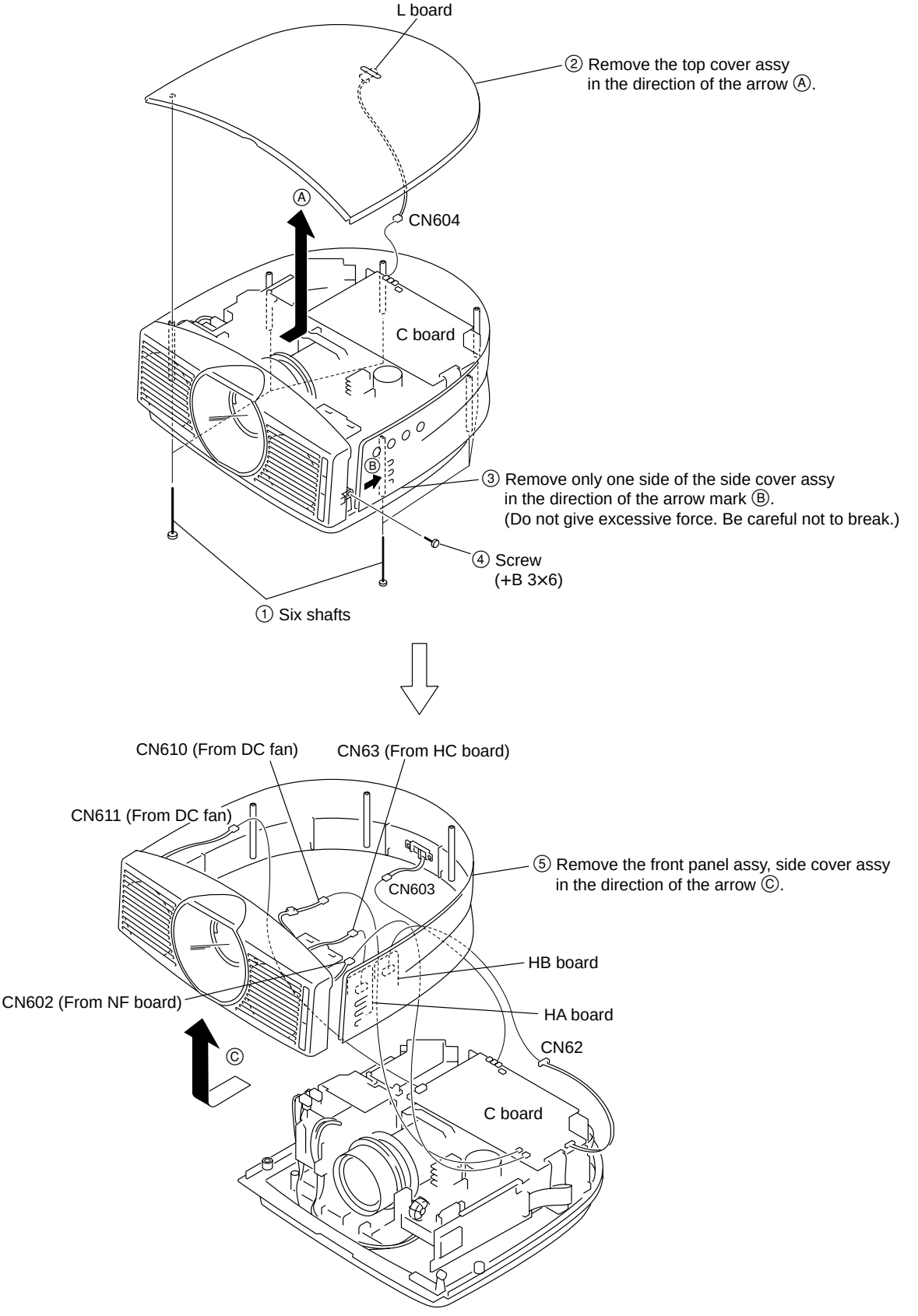
Section 1
Service Informations

1-1. Board Layouts

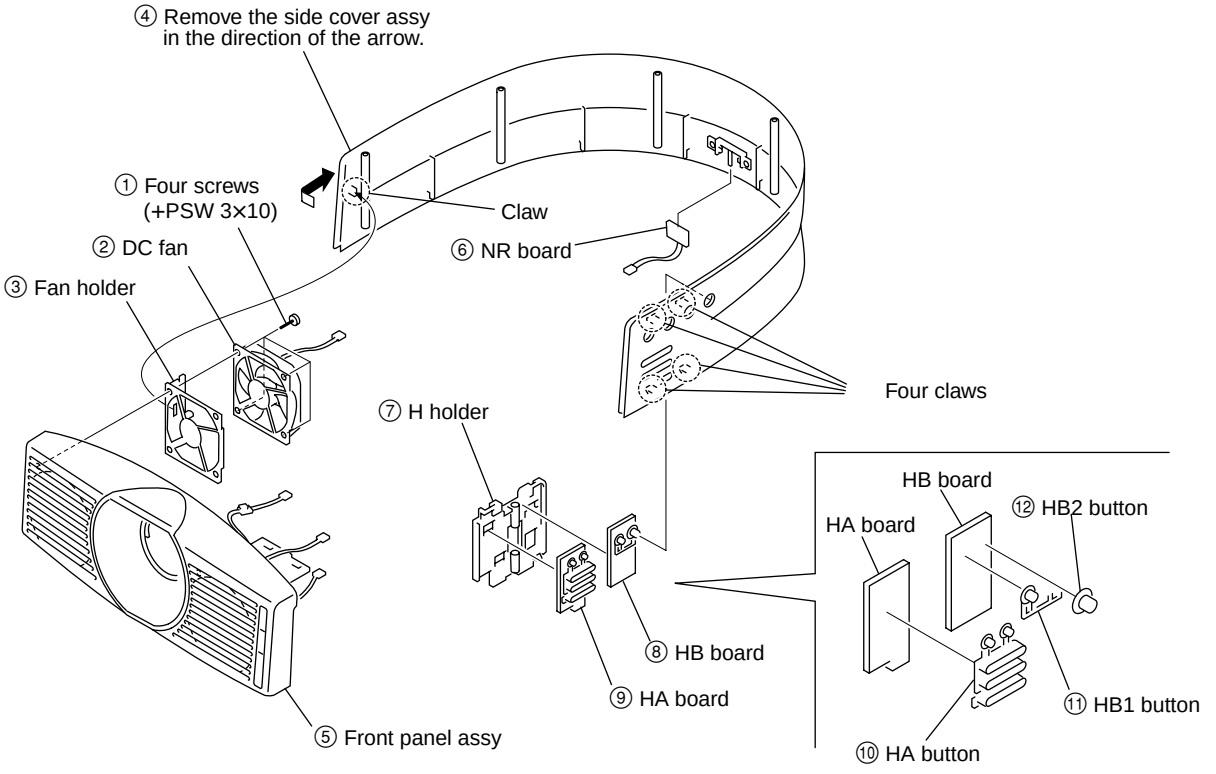


1-2. Disassembly

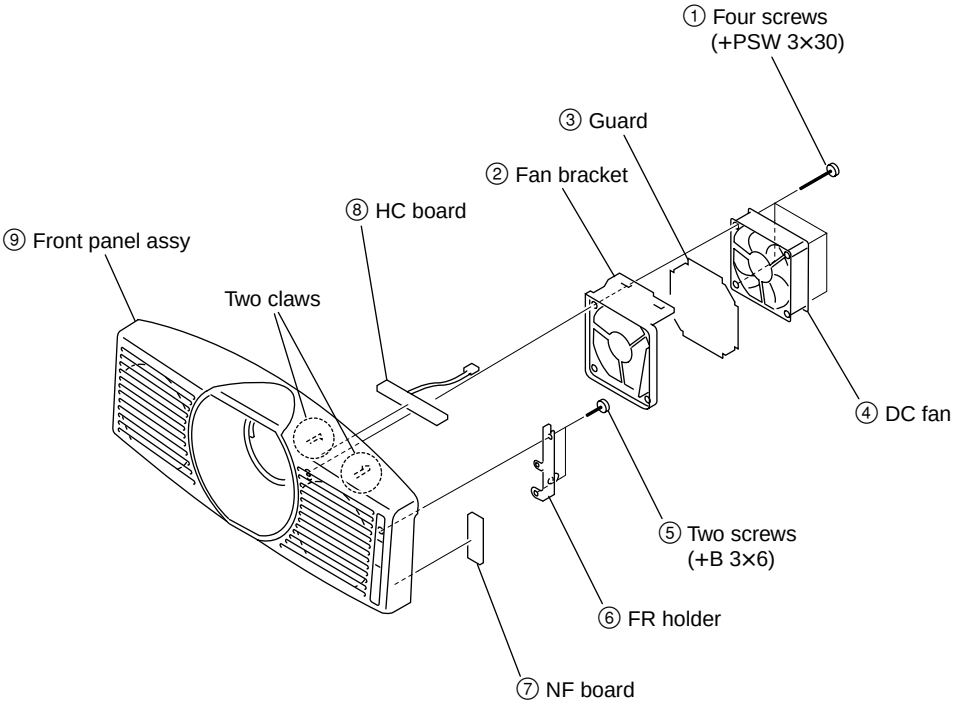
1-2-1. Front Panel Assy and Side Cover Assy Removal


L board
② Remove the top cover assy in the direction of the arrow Ⓐ.
Ⓐ
CN604
C board
Ⓑ
③ Remove only one side of the side cover assy in the direction of the arrow mark Ⓑ. (Do not give excessive force. Be careful not to break.)
④ Screw (+B 3×6)
① Six shafts
CN610 (From DC fan)
CN63 (From HC board)
CN611 (From DC fan)
⑤ Remove the front panel assy, side cover assy in the direction of the arrow Ⓒ.
CN603
HB board
CN602 (From NF board)
HA board
CN62
Ⓒ
C board

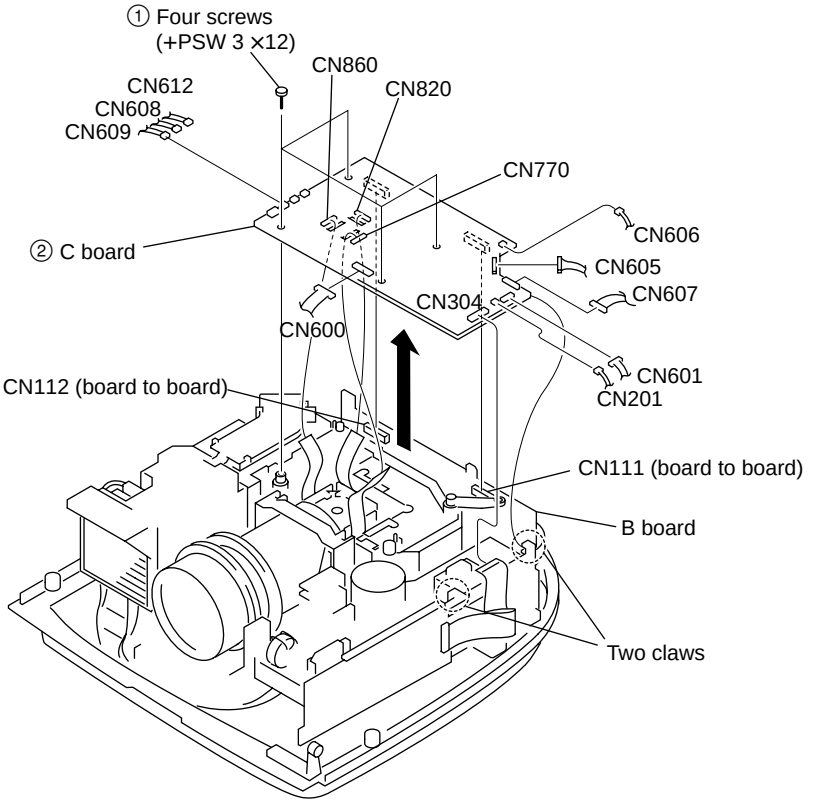
1-2-2. HA, HB and NR Boards Removal



1-2-3. HC, NF Boards and DC Fan Removal

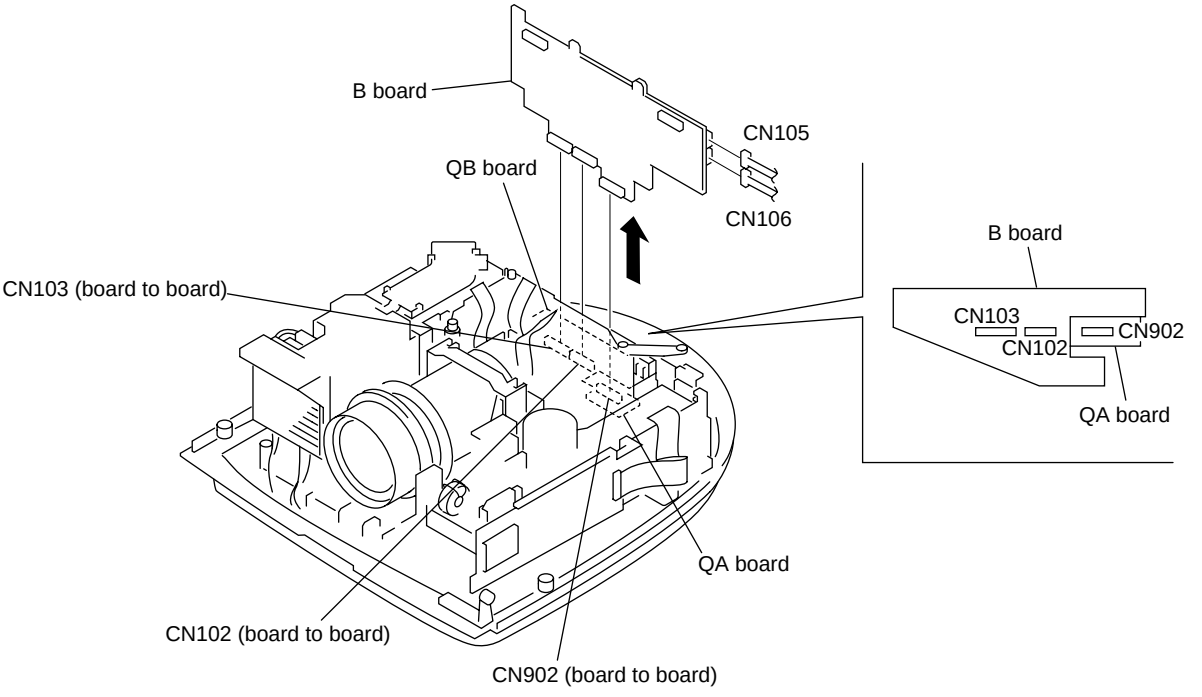


1-2-4. C Board Removal



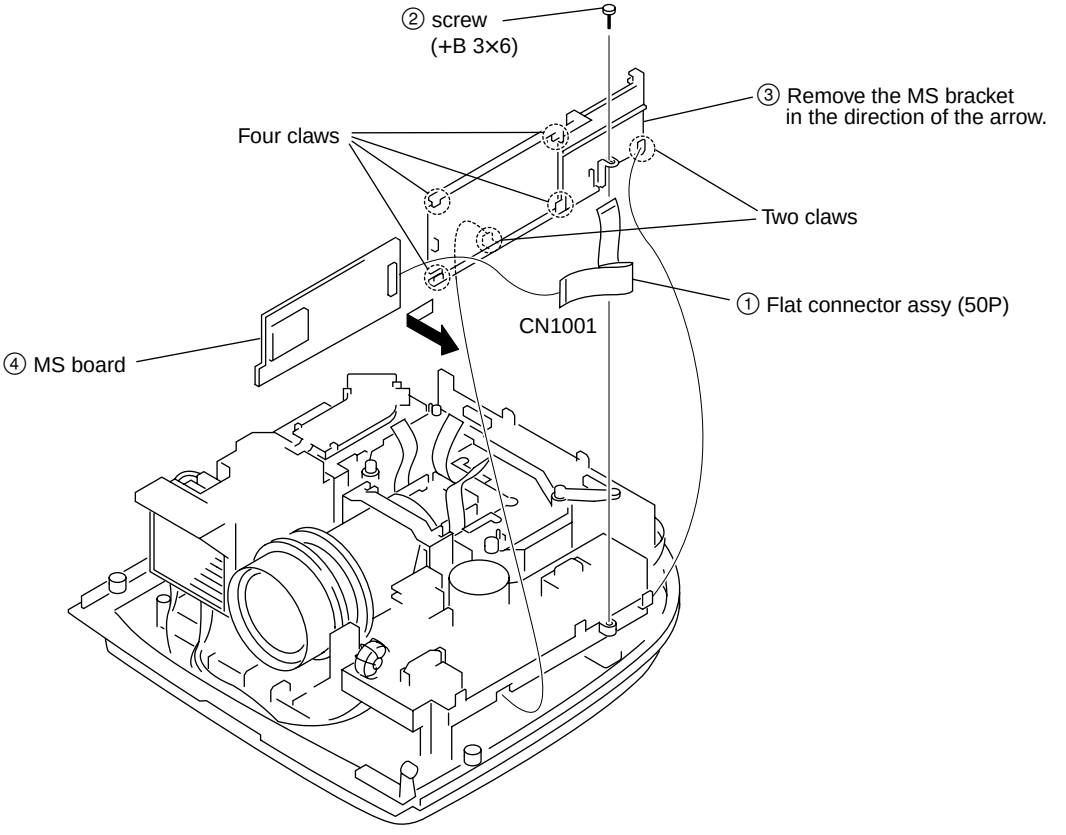
1-2-5. B Board Removal

To remove the B board, remove the C board beforehand.



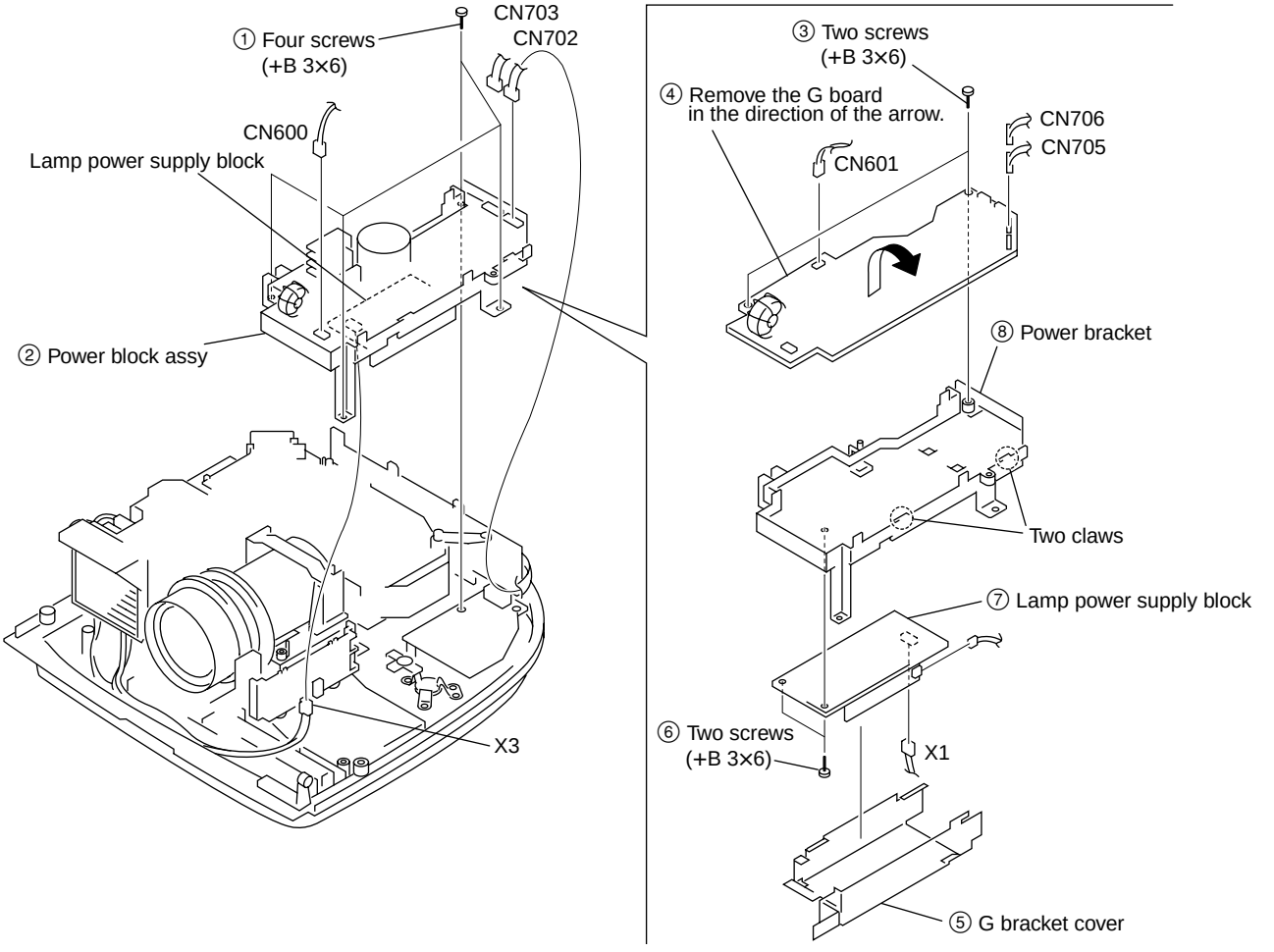
1-2-6. MS Board Removal

To remove the MS board, remove the C board beforehand.



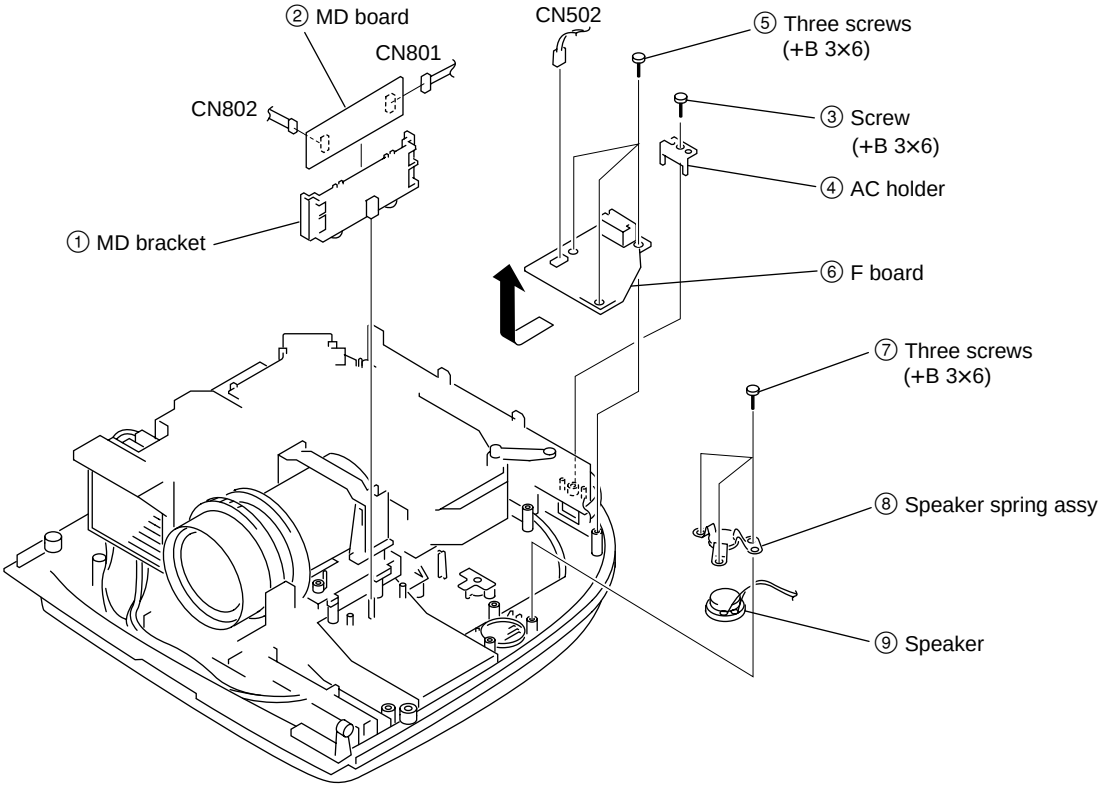
1-2-7. G Board and Lamp Power Supply Block Removal

To remove the G board and lamp power supply block, remove the C board, MS board beforehand.



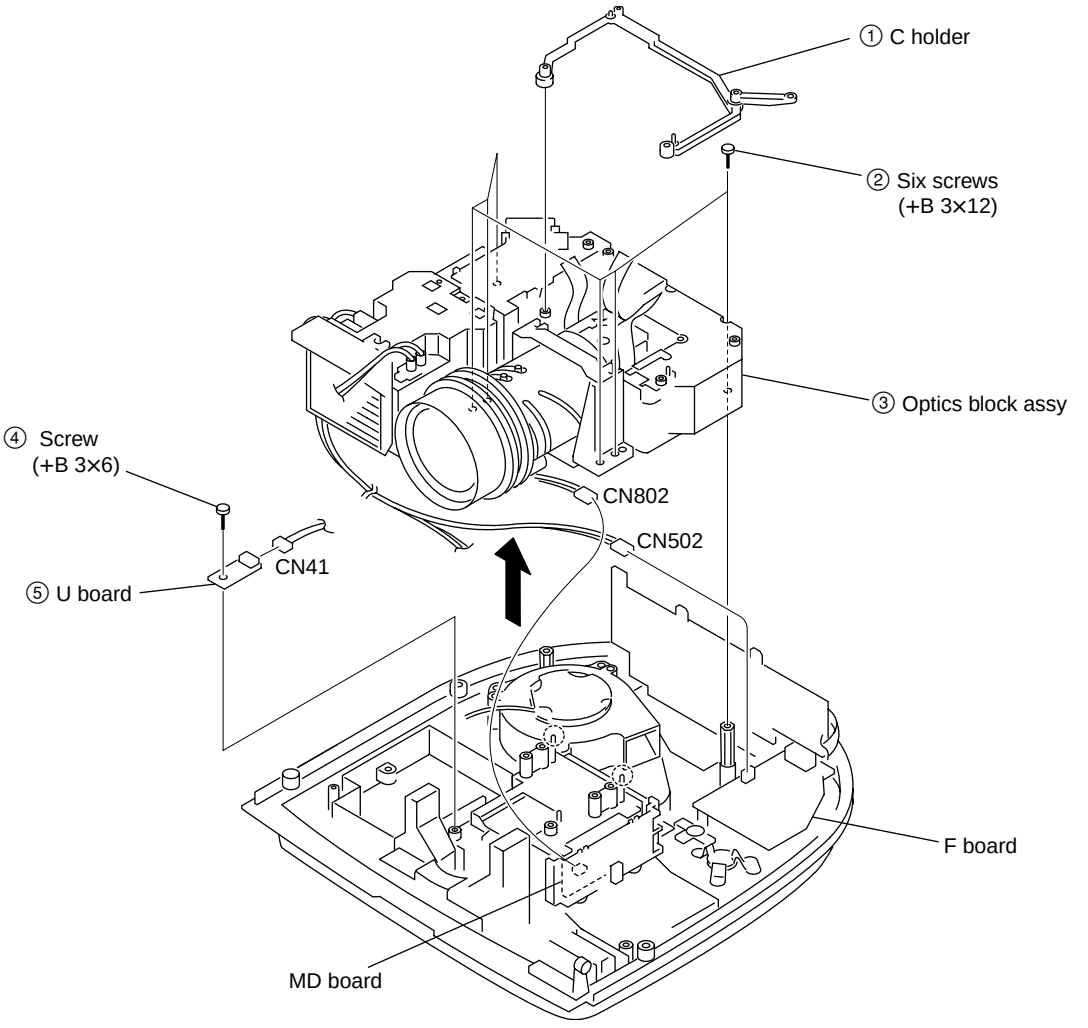
1-2-8. MD, F Boards and Speaker Removal

To remove the MD, F boards and speaker, remove the C board, MS bracket and power block assy beforehand.



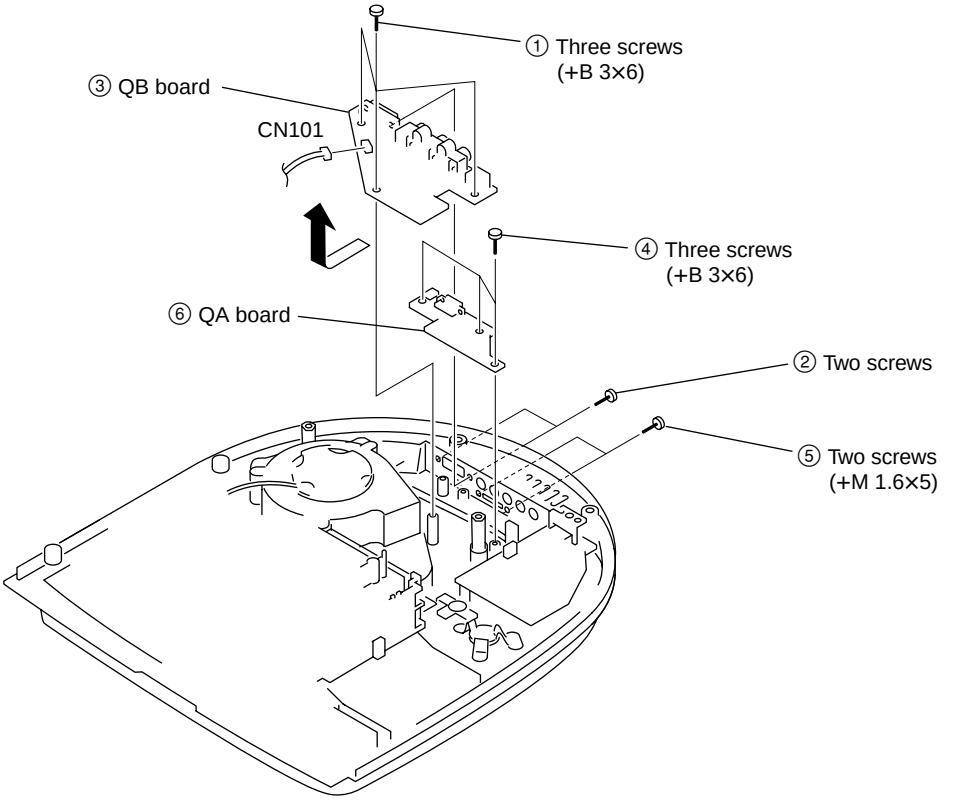
1-2-9. Optics Block Assy and U Board Removal

To remove the Optics block assy and U board, remove the C board, MS bracket and power block assy beforehand.

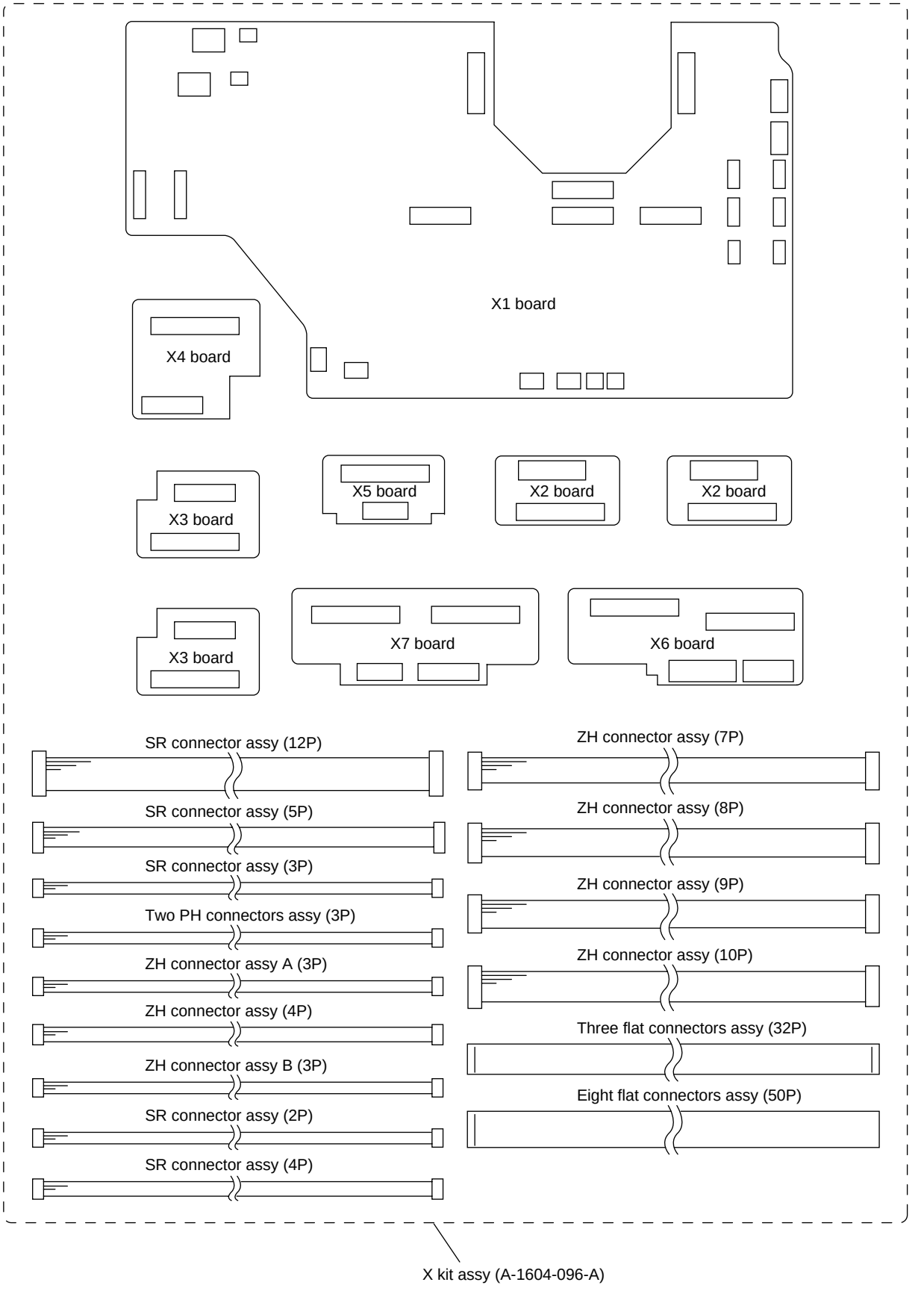


1-2-10. QA and QB Boards Removal

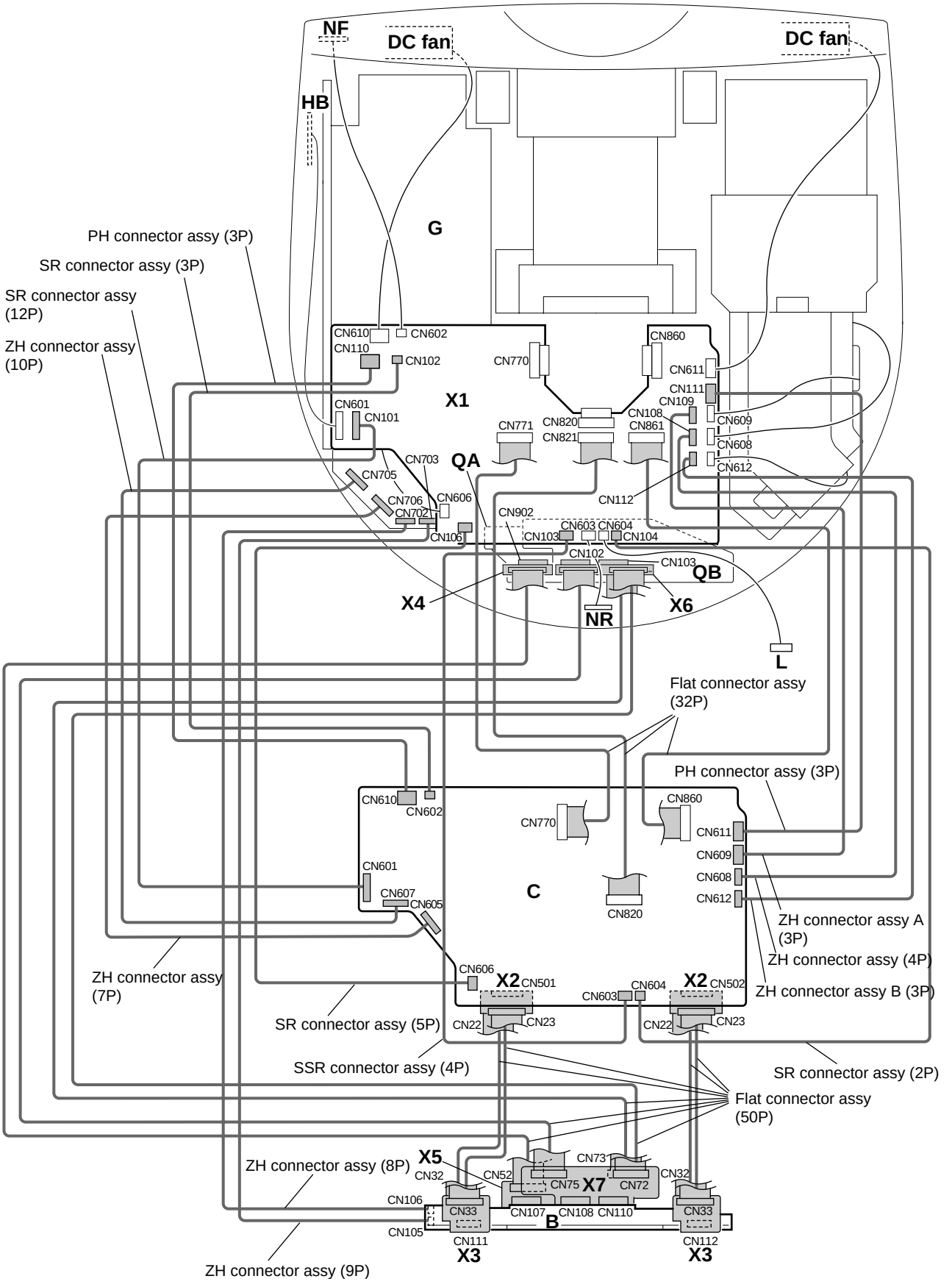
To remove the QA and QB boards, remove the C board, MS bracket, power block assy and Optics block assy beforehand.



1-2-11. Extension Board and EXtension Connectors

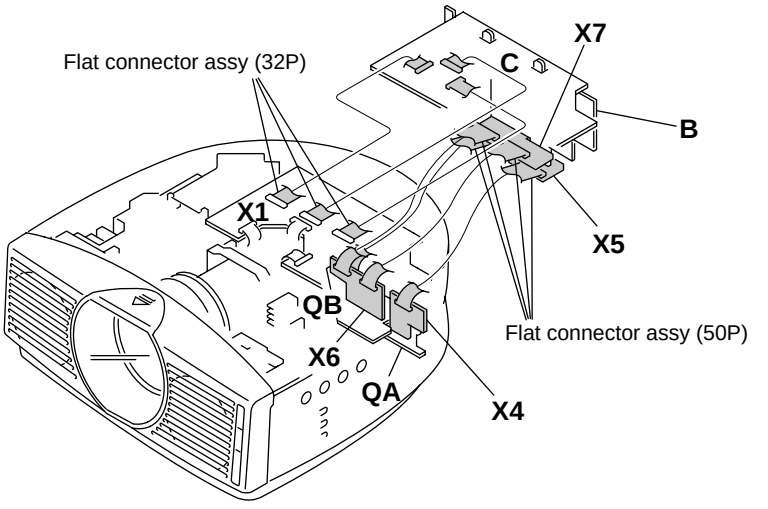


1-2-12. Extension Board and Extension Connectors Connection

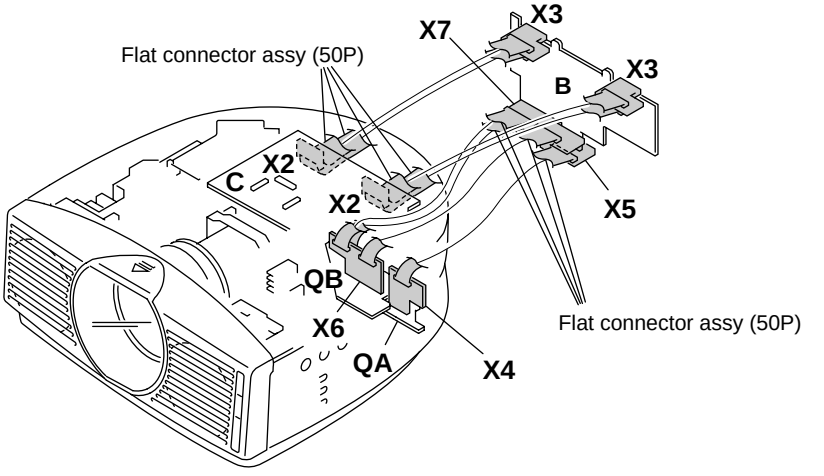


1-2-13. Connection Example

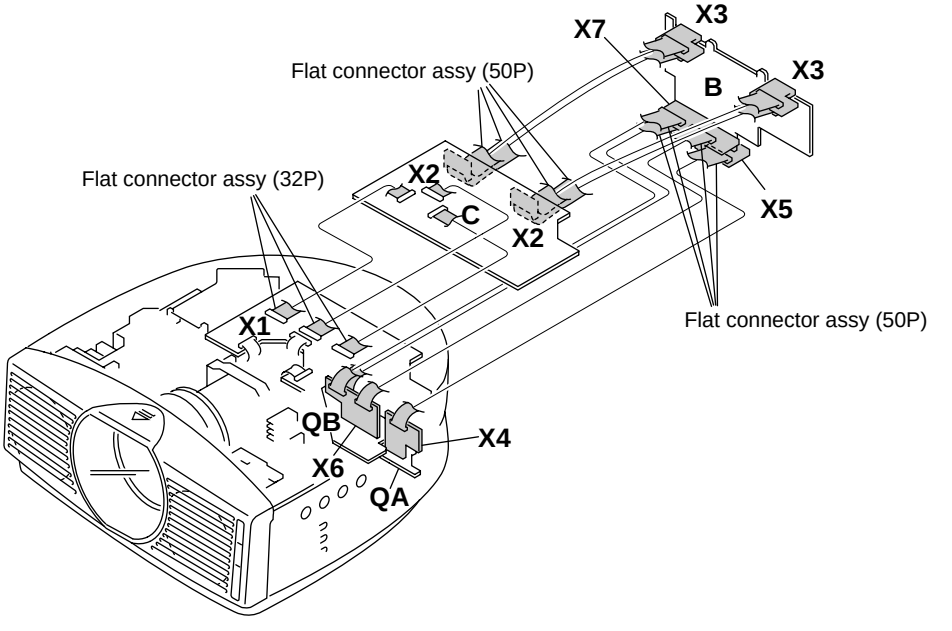
For C Board



For B Board



For C and B Boards



1-3. Service Knowhow

1-3-1. After Replacing the Prism Block

1. Perform Section “2-2. V COM Adjustment.”
2. Perform the Gamma data writing of the Prism Block.
3. Perform Section “2-4. White Balance Adjustment on Servicing.”

1-3-2. After Replacing the Board

- Refer to the cross table shown on right.
- There are no need to perform the adjustment when the board other than the B board or C board had been replaced.

1) When Replacing the B Board

When the data before replacement can be read properly

1. Make a note of the data before replacement. After replacement, write the data into the new board with service mode.
2. If the white balance is extremely deteriorated, perform the white balance adjustment (Refer to Section 2-4.).

When the data before replacement cannot be read

1. Perform Section “2-2. V COM Adjustment.”
2. Perform Section “2-4. White Balance Adjustment on Servicing.”
3. Perform Section “2-5. Tilt Adjustment.”

2) When Replacing the C Board

1. Before replacement, unsolder the IC705 from the replaced C board and then mount it to the new board.
2. Perform Section “2-2. V COM Adjustment.”
3. If the white balance is extremely deteriorated, perform the white balance adjustment (Refer to Section 2-4.).
4. Perform Section “2-5. Tilt Adjustment.”

3) When Replacing the Other Board

There are no need to perform the adjustment.

Cross Table of Board Replacement

Device Name	Item Name	Board Name	
		B	C
OTHER	TILT C0	✻	○
	TILT C1	✻	○
	TILT C2	✻	○
P.DRV	VCOM (R)	✻	○
	VCOM (G)	✻	○
	VCOM (B)	✻	○
	W/B ADJUST		
INPUT-A HIGH	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
INPUT-A LOW	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
INPUT-A HIGH	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
INPUT-A MID	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
VIDEO MID	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○
VIDEO LOW	GAIN R	✻	○
	GAIN G	✻	○
	GAIN B	✻	○
	BIAS R	✻	○
	BIAS G	✻	○
	BIAS B	✻	○

✻ : When down the data before replacement, and then write in the data after the board replacement.
○ : Need adjustment
Value : See description.

1-4. Memory

Memory structure consists of the following five memory blocks.

1. Set memory
2. Status memory
3. Chroma memory
4. W/B memory
5. Channel memory
6. Image Flip memory
7. Picture memory

CPU internal ROM : 384 kbyte Flash Memory
CPU internal ROM : 16 kbyte
External NVM memory : 8 kbyte EEPROM

Gamma memory is actualized through Gamma mode functions'offsetting the output values to the Contrast and Brightness devices.

When the power plug is connected to the power line (Standby status), all data inside the internal ROM are written into the NVM (Nonvolatile Memory). When the power is turned to on, required data for the current picture, such as status memory data, etc., are selected, and they are written into the internal RAM.

When adjustment is carried out, adjustment data are written into the NVM automatically (items on the user mode) or by the trigger of memory operation (items on the service mode and special service mode), then stored them. Adjustable items (W/B and Device Adjust) of the service mode and special service mode are memorized into the NVM by the memory operation. At the same time, the factory preset (adjusted) data are all eliminated from the memory.

Set Memory	
Status Memory	No.01
	No.02
	No.03
	No.04
	...
	No.99

Set Memory		
Status Memory	No.01	
	No.02	
Input-A Preset	No.03	
	No.04	
	...	
	No.99	
Input-A User	No.101	
	...	
	No.120	
Component	No.03	
	No.04	
	...	
	No.99	
Digital Preset	No.03	
	No.04	
	...	
	No.99	
Digital User	No.121	
	...	
	No.140	
MS	No.53	
	...	
	No.69	

Set Memory
Status Memory

Chroma Memory	
Chroma Memory	NT358/443/BW60
	PAL/PAL-M/N/ SECAM/BW50
	15k RGB
	Component (15k)
	Two times speed Component
	HDTV (YPbPr)
	HDTV (GBR) (Include two times speed)

Chroma Memory	
Chroma Memory	NT358/443/BW60
	PAL/PAL-M/N/ SECAM/BW50
	15k RGB
	Component (15k)
	Two times speed Component
	HDTV (YPbPr)
	HDTV (GBR) (Include two times speed)

Chroma Memory

W/B Memory		
W/B Memory	Computer	HIGH
		MIDDLE
		LOW
	Others	HIGH
		MIDDLE
		LOW

W/B Memory		
W/B Memory	Computer	HIGH
		MIDDLE
		LOW
	Others	HIGH
		MIDDLE
		LOW

W/B Memory	
W/B Memory	HIGH
	MIDDLE
	LOW

Channel Memory	
	Video
	S Video
	Input-A
	Video 2
	S Video 2
	Component
	Digital
	MS

Channel Memory	
	Video 1
	S Video 1
	Input-A
	Video 2
	S Video 2
	Component
	Digital
	MS

Channel Memory

Image Flip Memory	
	Turn over to the upper and lower sides
	No turn over to the upper and lower sides

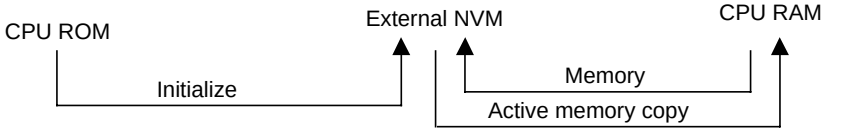
Image Flip Memory	
	Turn over to the upper and lower sides
	No turn over to the upper and lower sides

Image Flip Memory

Picture Memory		
	Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Input-A	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Component	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Digital	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	MS	Dynamic
		Standard
		Cinema
		User1
		User2
		User3

Picture Memory		
	Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 1	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Input-A	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	S Video 2	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Component	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	Digital	Dynamic
		Standard
		Cinema
		User1
		User2
		User3
	MS	Dynamic
		Standard
		Cinema
		User1
		User2
		User3

Picture Memory



1-5. Warning on Power Connection

Use a propre power cord for your local power supply.

	The United States, Canada	Continental Europe	UK	Australia	Japan
Plug type	YP-11	YP-21	SP-61	B8	YP-13
Female end	YC-13L	YC-13L	YC-13L	C7-2	YC-13L
Cord type	SPT-2	H03VVH2-F	H03VVH2-F	H03VVH2-F	VCTFK
Rated Voltage & Current	10 A/125 V	2.5 A/250 V	2.5 A/250 V	2.5 A/250 V	7 A/250 V
Safety approval	UL/CSA	VDE	BS	SAA	DENANHO
Cord length (max.)	4.5 m	–	–	–	–

Section 2
Electrical Adjustments

2-1. Preparations

2-1-1. Equipment Required

- Oscilloscope
  Tektronix 2465 or equivalent
  (bandwidth: 350 MHz or more)
- NTSC, PAL, SECAM component signal generator
  Tektronix TG2000 + AVG1 (optional module) + AWVG1 (optional module) or equivalent
- VG (Programmable video signal generator)
  VG814 or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Luminance meter
- Chrominance difference gauge

Note

Perform the following adjustments at least 5 minutes after turning on the power.

2-1-2. Factory Mode Setting

1. Make sure that the MENU is indicated.
2. Exit the menu.
3. Press the keys in the following order:
   "ENTER" → "ENTER" → "LEFT" → "ENTER"
4. The message "Do you wish to enter into the FACTORY MODE? Yes:↑ No:↓ " will be displayed.
5. Select "Yes:↑".

Note

- When leaving the FACTORY MODE, perform item 3. "Do you wish to return to the USER MODE? Yes:↑ No:↓ " will be displayed. Select "Yes:↑".
- Cannot enter FACTORY MODE by MS channel.

2-2. V COM Adjustment

1. Input the green-only XGA 1 Lime ON/OFF signal to INPUT-A, and set the CONTRAST to 70.
2. Set the screen to G VCOM adjustment of "Device Adjust."
3. Adjust the G VCOM so that the flicker on the screen is minimum.
4. Change the input signal to the red-only and blue-only 1 line ON/OFF signal respectively and adjust R VCOM and B VCOM respectively so that the flicker becomes minimum as described in step 3.
5. Save the value adjusted.
6. Set the "Image Flip" to either "V" or "HV".
7. Input the R/G/B value adjusted as above step 5.
8. Save the value adjusted.
9. Set the "Image Flip" to "OFF".

2-3. Adjustment Item Initialize Data

MenuTitle	ItemName	Memory Name										
		Set Memory	Status Memory	Picture Memory								
				Video 1/S Video1/Video 2/S Video 2				Input-A/Digital				
				Dynamic	Standard	Cinema	User1/2/3	Dynamic	Standard	Cinema	User1/2/3	
PICTURE SETTING	Picture Mode		Dynamic									
	Adjust Picture...											
	Contrast			90	80	80	80	90	80	80	80	
	Brightness			50	50	50	50	50	50	50	50	
	Color			60	50	50	50	60	50	50	50	
	Hue			50	50	50	50	50	50	50	50	
	Sharpness			50	50	50	50	50	50	50	50	
	RGB Enhancer			–	–	–	–	20	20	20	20	
	Black Level Adj.			Low	Low	Off	Off	Low	Low	Off	Off	
	Gamma Mode			–	–	–	–	Graphics	Graphics	Graphics	Graphics	
	Color Temp.			Middle	High	Low	Low	Middle	High	Low	Low	
	DDE			Film	Film	Film	Film	Film	Film	Film	Film	
	Cinema Black			Off	On	On	On	Off	On	On	On	
	Volume	30										
INPUT SETTING	Adjust Signal...											
	Dot Phase		15 (*)									
	H Size		*									
	Shift		*									
	Wide Mode			Full	Full	Full	Full	Full	Full	Full	Full	
	V Position (Zoom)			4	4	4	4	4	4	4	4	
	V Position (Sub Title)			4	4	4	4	4	4	4	4	
	Title Area			0	0	0	0	0	0	0	0	
SET SETTING	Smart APA	On										
	Auto Input Search	On										
	Input-A Signal Sel.	Component										
	Digital Signal Sel.	Video GBR										
	Color System	Auto										
	Power Saving	Off										
	Illumination	On										
MENU SETTING	Status	On										
	Languege	English										
	Menu Position	Center										
	Menu Color	Black										
INSTALL SETTING	V Keystone	Auto										
	Manual...	0										
	Side Shot	0										
	Image Flip	Off										
	Background	Blue										
	Test Pattern	On										
INFORMATION	fH	Indication only										
	fV	Indication only										
	(Memory No.)	Indication only										
	(Resolution)	Indication only										
	Lamp Timer	Indication only										
	ROM Version	Indication only										
	SC ROM Version	Indication only										
	Operation Timer	Indication only										
	Prev. Lamp Timer	Indication only										
W/B SETTING	Gain R											
	G											
	B											
	Bias R											
	G											
	B											

* : "Dot Phase, H Size, Shift H/V and Picture Mode" in the "INPUT SETTING" menu have an initial value respectively in accordance with the input signal (PRESET MEMORY No.).

Note : There are nonadjustable items in accordance with the input signal.

Memory Name															Remarks
Picture Memory									W/B Memory						
	Component				MS				Video			Computer			
	Dynamic	Standard	Cinema	User1/2/3	Dynamic	Standard	Cinema	User1/2/3	High	Middle	Low	High	Middle	Low	
	90	80	80	80	90	80	80	80							
	50	50	50	50	50	50	50	50							
	60	50	50	50	60	50	50	50							
	50	50	50	50	–	–	–	–							
	50	50	50	50	–	–	–	–							
	–	–	–	–	20	20	20	20							
	Low	Off	Off	Off	–	–	–	–							
	–	–	–	–	Graphics	Graphics	Graphics	Graphics							
	Middle	Low	Low	Low	Middle	High	Low	Low							
	Film	Film	Film	Film	–	–	–	–							
	Off	On	On	On	Off	On	On	On							
	Full	Full	Full	Full	–	–	–	–							
	4	4	4	4	–	–	–	–							
	4	4	4	4	–	–	–	–							
	0	0	0	0	–	–	–	–							

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
A/D Converter	ADC/	Clamp Position		∗2								
		Clamp Width		∗2								
		R Gain (Other)										
		R Gain (Component)										
		R Gain (VideoGBR)										
		G Gain (Other)										
		G Gain (Component)										
		G Gain (VideoGBR)										
		B Gain (Other)										
		B Gain (Component)										
		B Gain (VideoGBR)										
		R Offset (Other)										
		R Offset (Component)										
		R Offset (VideoGBR)										
		G Offset (Other)										
		G Offset (Component)										
		G Offset (VideoGBR)										
		B Offset (Other)										
		B Offset (Component)										
		B Offset (VideoGBR)										
		Sync Sep Th	32									
		Pre Coast		2								
		Post Coast		8								
Chroma/D.Comb	Chroma/	Ch1 Gain										
		Ch2 Gain										
		Video Brt			125	124	128	128	–	–	–	
		Video Cont			64	73	64	64	–	–	–	
		Sub Color			64	64	64	64	–	–	–	
		LCBW										
		Y-DeLay	∗1									
		Ch3 Gain										
		Ch4 Gain										
		YUV Brt			128	128	119	119	–	–	–	
		YUV Cont			64	64	67	67	–	–	–	
		AOSL	–									
		1E	Indication only									
		1F	Indication only									
Panel Driver	P.Drv	Offset R										
		Offset G										
		Offset B										
		V Common R										
		V Common G										
		V Common B										
		Psig 1	143									
		Psig 2	40									
		Signal Center	196									
		Gain R	161									
		Gain G	161									
		Gain B	161									
		DCFB Off	1									
	Sample Hold/	SH1	10									
	Other/	V Com Pth Enb	Adjustment is impossible									
		Installation	0									
Other	3D Gamma	Sub Cont	0									
		Sub Brt	0									
		R Osd Lvl	31									
		G Osd Lvl	31									
		B Osd Lvl	31									
		Through	0									
		SW	1									
		APC Thres	25									
		APC Limit	32									

Note : There are nonadjustable items in accordance with the input signal.

∗1 : Depends on the color system and the input terminal.

∗2 : Depend on the input signal.

Memory Name										Remarks
Channel Memory								Image Flip Memory		
Video 1	S Video 1	Input-A	Video 2	S Video 2	Component	Digital	MS	Turn over to the upper and lower sides	No turn over to the upper and lower sides	
–	–	100	–	–	–	–	–			
–	–	100	–	–	100	–	–			
–	–	100	–	–	–	–	–			
–	–	100	–	–	–	–	–			
–	–	100	–	–	100	–	–			
–	–	100	–	–	–	–	–			
–	–	100	–	–	–	–	–			
–	–	100	–	–	100	–	–			
–	–	100	–	–	–	–	–			
–	–	128	–	–	–	–	–			
–	–	100	–	–	100	–	–			
–	–	128	–	–	–	–	–			
–	–	128	–	–	–	–	–			
–	–	128	–	–	128	–	–			
–	–	128	–	–	–	–	–			
–	–	128	–	–	–	–	–			
–	–	100	–	–	100	–	–			
–	–	128	–	–	–	–	–			
60	60	144	60	60	144	–	–			
16	16	160	16	16	260	–	–			
0	0	0	0	0	0	–	–			
144	144	160	144	144	260	–	–			
144	144	160	144	144	260	–	–			
								211	211	
								211	211	
								211	211	
								83	83	
								83	83	
								83	83	

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
Other	Other/	V Start	6									
		H Start (MSB)	0									
		H Start (LSB)	216									
		H Position	40									
		HST Position	3									
		HST Phase	4									
		Temp Lamp	Adjustment is impossible									
		Temp Panel	Adjustment is impossible									
		Fan1 H										
		Fan1 L										
		Fan2 H										
		Fan2 L										
		Fan3 H										
		Fan3 L										
		Synchronous	1									
		Tilt C0	Factory default setting value									
		Tilt C1	Factory default setting value									
		Tilt C2	Factory default setting value									
		X Tilt	Indication only									
		Y Tilt	Indication only									
		TL	Indication only									
		TP	Indication only									
		Highland Mode	0									
Gamma			Factory default setting value									
IP	Ip/	CTI Tap	3									
		CTI Shift	1									
		CTI Limit	128									
		CTI Gain	0									
		Sharp Limit	255									
		MD Thresh C	8									
		MD Thresh O	16									
		VS	1									
		Continue	1									
		Edit Detect	0									
		Indicator	0									
		Manual	0									
		Manual Pair	0									
		Manual State	0									
		Field Times	2									
		Noise Thresh	4									
		Disp Area	0									
		PULL Area T	71									
		PULL Area B	203									
		PULL Area L	165									
		PULL Area R	765									
		VS Limit	64									
		VS Core	4									
		Edge Det Less	1									
		X Only	0									
		Hysteresis	1									
		Hysteresis Data	2									
		Thresh Still Large	2									
		Thresh Still Med	3									
		Thresh Still Small	4									
		22 Pre Post Rate	15									
		22 Pre Post Thresh	2									
		Film Times 22	3									
	Ip2/	Sudare Rate 32	4									
		Sudare Thresh 32	64									
		Sudare Rate 22	4									
		Sudare Thresh 22	40									

Note : There are nonadjustable items in accordance with the input signal.

Memory Name										Remarks
	Channel Memory							Image Flip Memory		
	Video 1	S Video 1	Input-A	Video 2	S Video 2	Component	Digital	MS	Turn over to the upper and lower sides	No turn over to the upper and lower sides	
									Adjustment is impossible	Adjustment is impossible	
									Adjustment is impossible	Adjustment is impossible	
									Adjustment is impossible	Adjustment is impossible	
									Adjustment is impossible	Adjustment is impossible	
									Adjustment is impossible	Adjustment is impossible	
									Adjustment is impossible	Adjustment is impossible	

2-4. White Balance Adjustment on Servicing

2-4-1. White Balance Adjustment

Input the 10 STEP signal to INPUT-A, and observe the chromaticity of each luminance.
When varying the chromaticity of each luminance, perform the following adjustments.

1) MID Mode of INPUT-A

1. Input the 100 IRE FLAT FIELD signal to INPUT-A.
2. Measure the chromaticity (x, y).
3. Input the 80 IRE FLAT FIELD signal to INPUT-A.
4. Adjust the chromaticity (x, y) to the values measured in step 2, by the GAIN R and B of W/B MID mode.
5. Set the INPUT signal to the 30 IRE FLAT FIELD signal.
6. Adjust the chromaticity (x, y) to the values measured in step 2, by the BIAS R and B.
7. Repeat above steps 3 to 6 until the chromaticity become the following values.
   x ± 0.002, y ± 0.004 (The x and y are the values measured in step 2.)

2) HIGH Mode of INPUT-A

1. Input the 80 IRE FLAT FIELD signal to INPUT-A.
2. Set the GAIN G to MID mode value at "−20" with the HIGH mode of the W/B.
3. Set the BIAS R, G and B that are equal to MID mode values. (Set the BIAS R, G and B to the same as MID mode values.)
4. Input the 30 IRE signal to INPUT-A.
5. Adjust the chromaticity (x at 0.284, y at 0.298) values by the BIAS R and B of W/B HIGH mode.
6. Input the 80 IRE signal to INPUT-A.
7. Adjust the chromaticity (x at 0.284, y at 0.298) values by the GAIN R and B.
8. Repeat above steps 4. to 7. until the chromaticity become the following values.
   x: 0.284± 0.002, y: 0.298± 0.004

3) LOW Mode of INPUT-A

1. Input the 80 IRE FLAT FIELD signal to INPUT-A.
2. Set the GAIN R that is equal to MID mode value. (Set the GAIN R to the same as MID mode value.)
3. Set the BIAS R, G and B that are equal to MID mode value. (Set the BIAS R, G and B to the same as MID mode value).
4. Input the 30 IRE signal to INPUT-A.
5. Adjust the chromaticity (x at 0.313, y at 0.329) values by the BIAS R and B of W/B LOW mode.
6. Input the 80 IRE signal to INPUT-A.
7. Adjust the chromaticity (x at 0.313, y at 0.329) values by the GAIN G and B.
8. Repeat above steps 4 to 7 until the chromaticity become the following values.
   x: 0.313± 0.002, y: 0.329± 0.004

4) MID/HIGH/LOW Mode of VIDEO

1. Input the VIDEO signal of NTSC or PAL.
2. Set the BIAS R, G and B and GAIN R, G and B of MID, HIGH and LOW mode of W/B that are equal to the values of corresponding items in INPUT-A. (Altogether 18 items)
3. Set the GAIN G only of MID mode of W/B value at "−16" in INPUT-A.

2-5. Tilt Adjustment

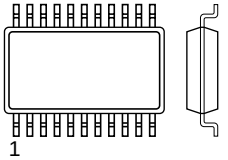
Note

Do not put the unit upward and downward in the vertical direction for more than ten seconds.

1. Set the Factory mode to "Device Adjust/OTHER".
2. Set the adjuster in contracted position.
3. Then, enter the X TILT value to C0.
4. Set the unit upward in vertically.
5. Then, enter the X TILT value to C1.
6. Set the unit downward in vertically.
7. Then, enter the X TILT value to C2.
8. Save the each values of C0, C1 and C2 described in step3, 5 and 7.

Section 3
Semiconductors

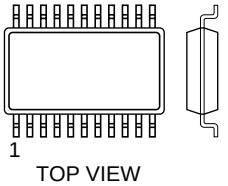
24LC21AT/SN
HN58X24256FPIZ
ICS332-SX1745
M24C02-WMN6T(A)
M24C64-WMN6T(B)
MAX1626ESA-TE2
MM1096AFF
MM1228XFBE
SN74LV08APWR
SN75157PS-ELL20
SN75157PS-ELL2000
ST24FC21M6TR
TA75W393FU
TA75W393FU-TE12R
TL431BCDR2



TOP VIEW

8PIN SOP

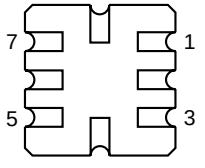
74VHC02MTCX
SN74LV00APWR
SN74LV04APWR



TOP VIEW

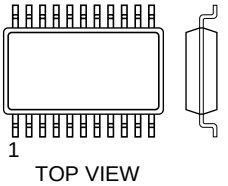
14PIN SOP

ADXL202JE-REEL



BOTTOM VIEW

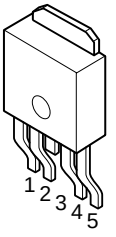
AK4352VT-E2
CY27027ZCT
LT1399CGN
SN74LV4052APWR
SN74LV4053APWR
TPA2000D1PW



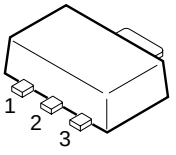
TOP VIEW

16PIN SOP

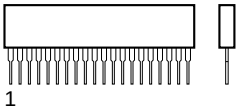
BA00ASFP-E2



BA033FP-E2
BA05FP-E2
BA12FP-E2



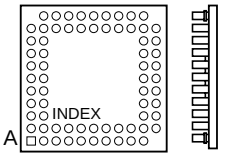
BA6286N



MARKING SIDE VIEW

10PIN SIP

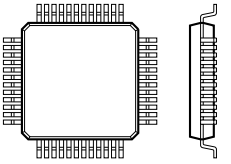
CXD9671GG



BOTTOM VIEW

176PIN BGA

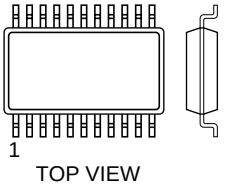
HD64F2377VFQ33V



TOP VIEW

144PIN QFP

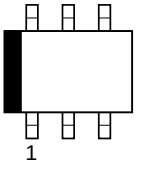
HY57V161610DTC-7TR



TOP VIEW

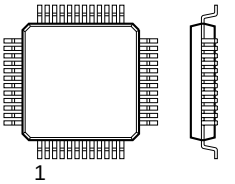
50PIN TSOP

IRMF-A0T-QTP
TK11900MTL



TOP VIEW

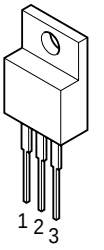
ISPLSI2032VE-110LT44A-51GB



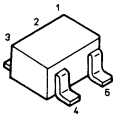
TOP VIEW

44PIN QFP

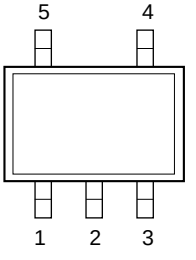
L88M05T-FA-TL
LM1117MPX-1.8
NJM78M09DL1A(TE1)



LMC7101BIM5X

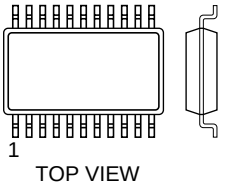


LP2985IM5X-3.3
S-80928ANMP-DDR-T2
SN74AHC1G00DCKR
TC4W53FU
TC4W53FU(TE12R)
TC7S66FU
TC7S66FU(TE85R)
TC7SET04FU(TE85R)
TC7SZ125FU(TE85R)



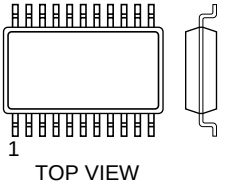
5PIN CHIP

M52347FP-TE
SN74LV125APWR
SN74LV244APWR
SN74LV541APWR



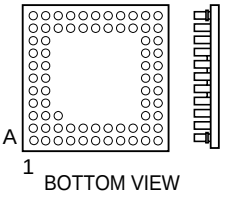
20PIN SOP

M62392FP



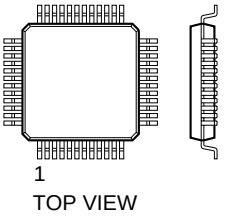
24PIN SOP

MB93401A



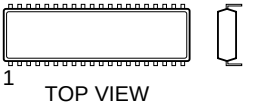
288PIN BGA

MB93491



176PIN QFP

MCZ3001D

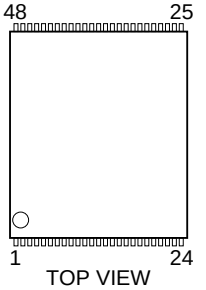


18PIN DIP

MT48LC8M16A2TG-75-Y95WT

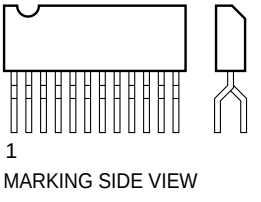
54PIN TSOP

MX29LV800TTC-70G-SX1745

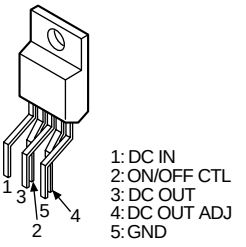


48PIN TSOP

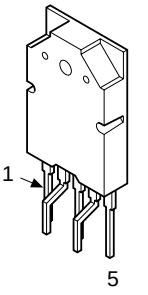
MZ1540



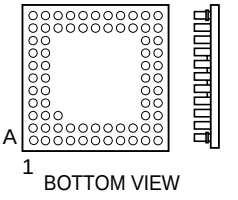
PQ20VZ1U



PQ2TZ15U

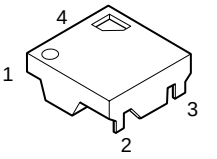


PW265-10T

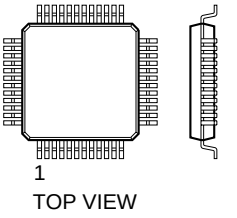


256PIN BGA

RS-140-T

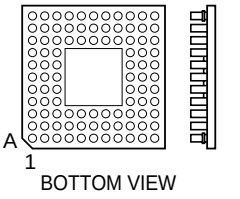


UPD64083GF-3BA



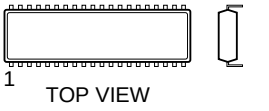
100PIN QFP

SAA7118E/V1.518



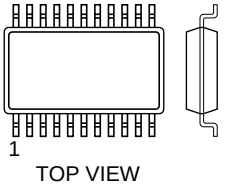
156PIN BGA

TDA7309D013TR



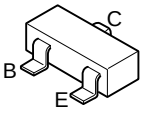
20PIN DIP

ST72T631K4M1-201

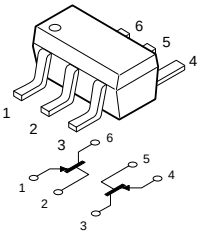


34PIN SOP

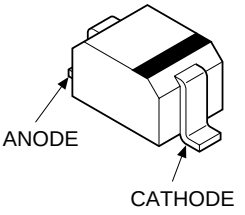
2SA1162-G
2SA1162-YG-TE85L
2SA1576A-T106-QR
2SC2712-YG
2SC2712-YG-TE85L
2SC4081-R
2SC4081T106R
DTA144EUA-T106
DTC144EKA
DTC144EKA-T146
DTC144EUA-T106



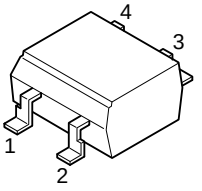
HN1B01FU-TE85R
HN1C01FU-TE85R
HN1C03FU-TE85R



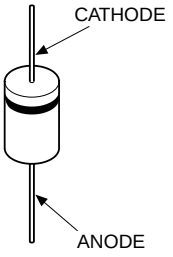
1SS355TE-17
MA111-TX
UDZSTE-173.9B



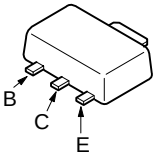
PC123GY2



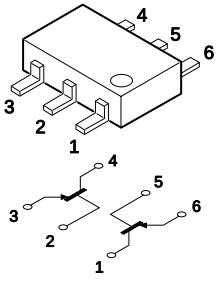
UF4005PKG23



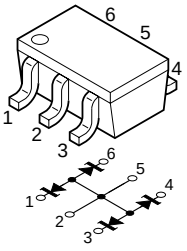
2SA1213Y-TE12L



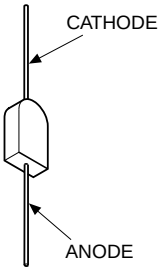
XP4501



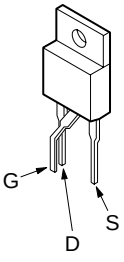
BZA456A



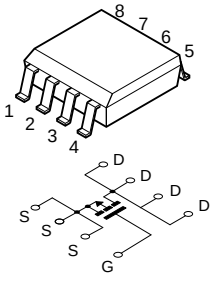
RM11C
RM11C-V1



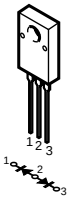
2SK2876-01MR-F122



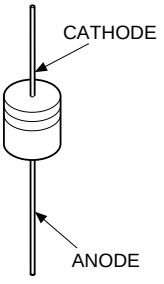
SI4425DY-T1



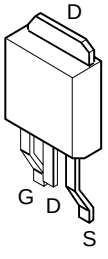
D10SC6M



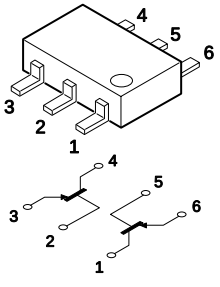
RD15ES-B3
RD15ES-T1B3



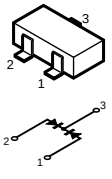
2SJ530S-TL



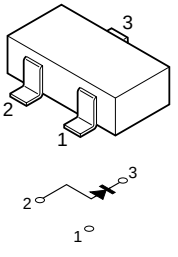
SSM6N15FU(TE85R)



DAN202K
DAN202K-T-146
DAN202U
DAN202UT106
DAP202K
DAP202K-T-146



RD13M-T1B
RD18M-T1B1
RD39M-T1B
RD7.5M-B2
RD7.5M-T1B
UZM13B



Section 4
Spare Parts

4-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

WARNHINWEIS

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts List has the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the Spare Parts list may not be stocked. Therefore, the delivery date will be delayed.
Items with no part number and no description are not stocked because they are seldom required for routine service.

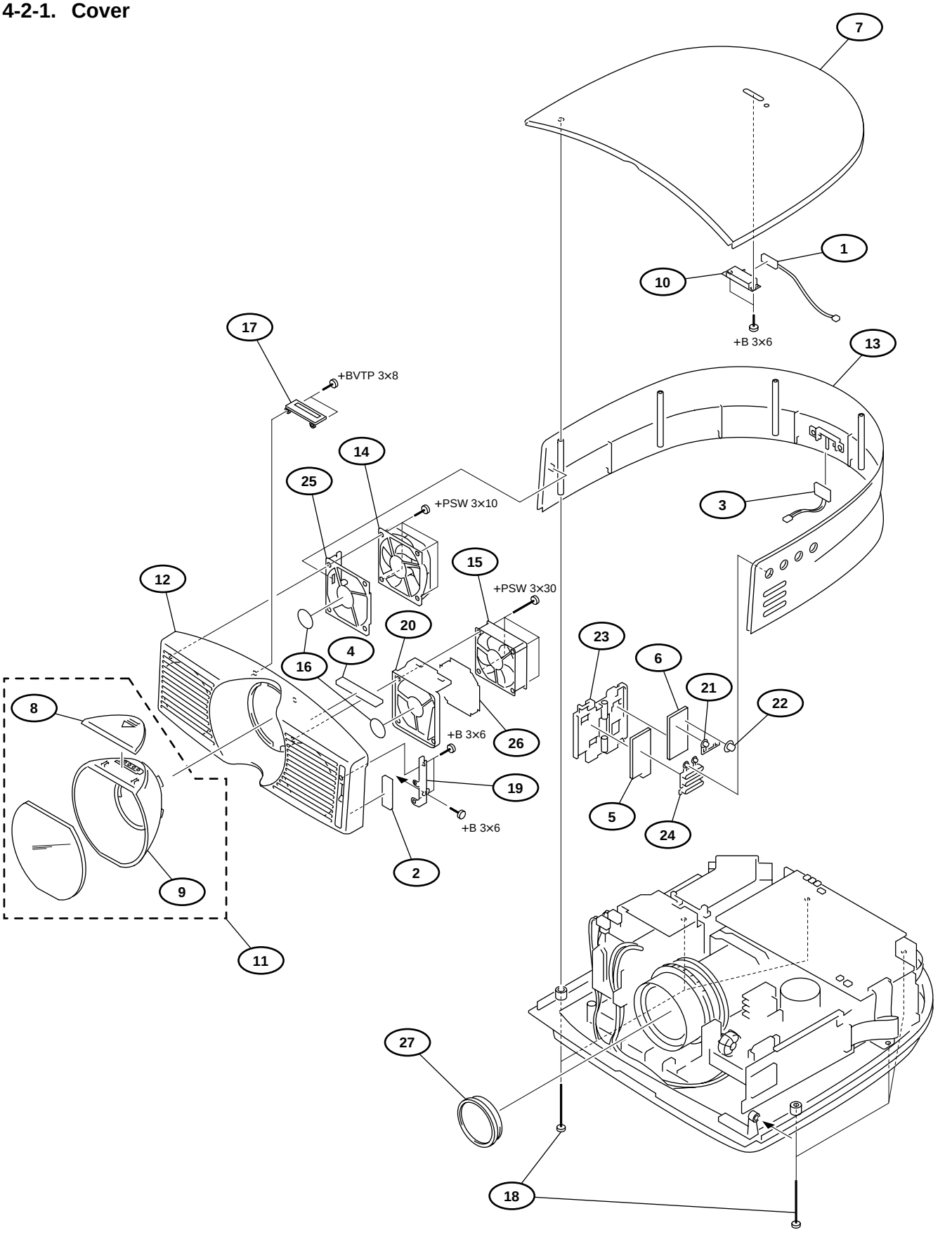
4. Units for Capacitors, Inductors and Resistors

The following units are assumed in Schematic Diagrams, Electrical Parts List and Exploded Views unless otherwise specified.

Capacitors	: μF
Inductors	: μH
Resistors	: Ω

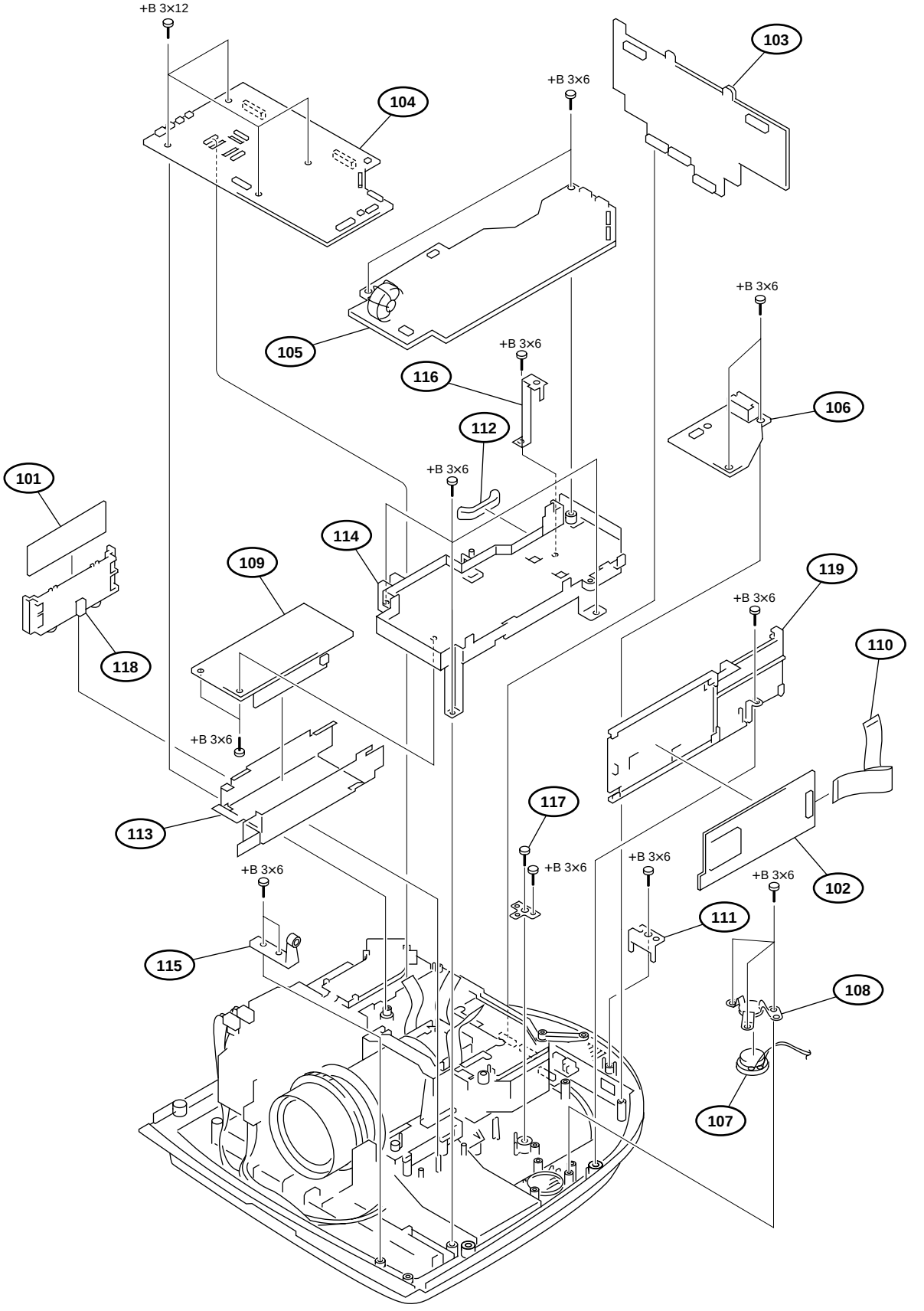
4-2. Exploded Views

4-2-1. Cover



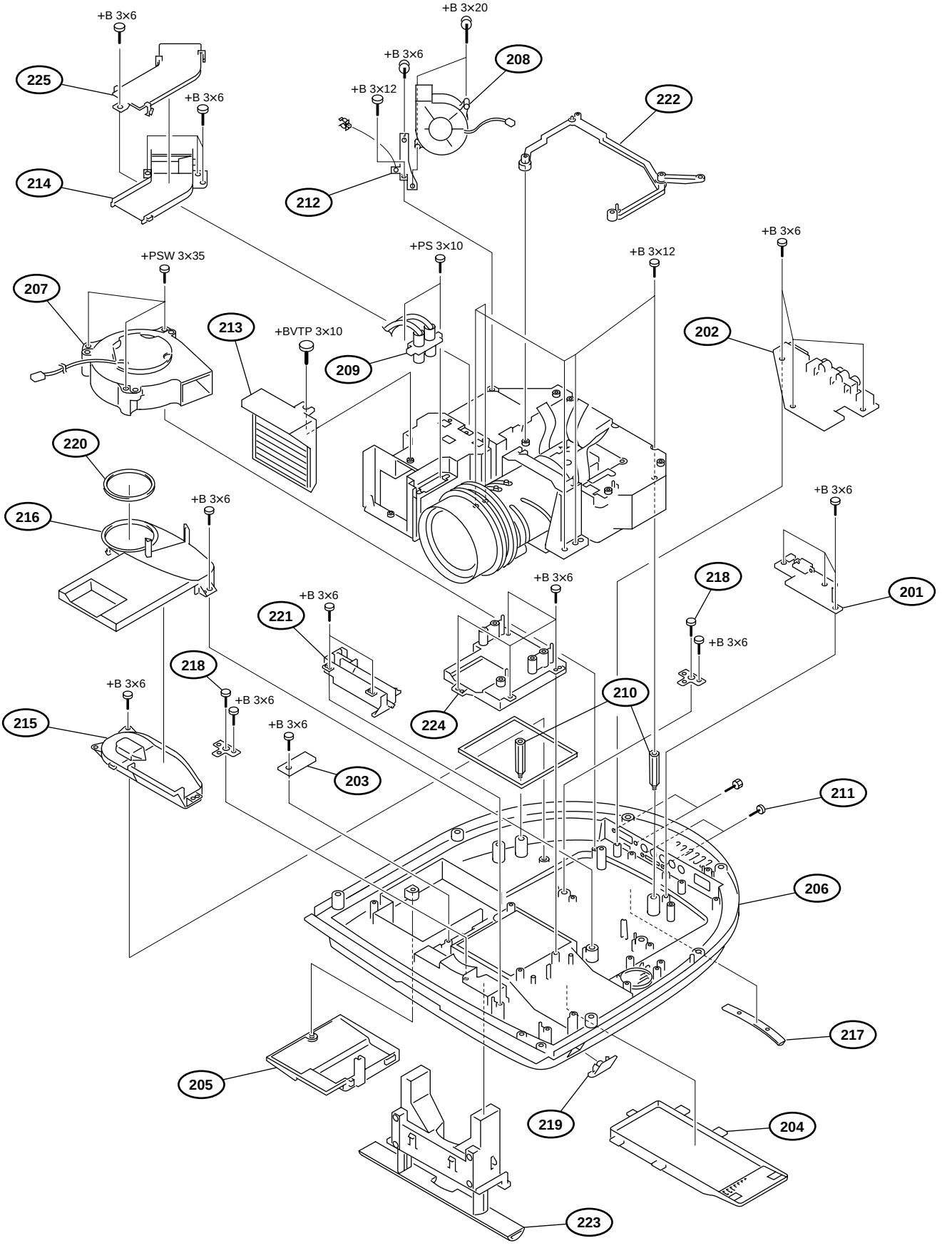
No.		Part No.	SP	Description
1		A-1401-568-A	s	MOUNTED CIRCUIT BOARD, L
2		A-1401-570-A	s	MOUNTED CIRCUIT BOARD, NF
3		A-1401-571-A	s	MOUNTED CIRCUIT BOARD, NR
4		A-1401-578-A	s	MOUNTED CIRCUIT BOARD, HC
5		A-1401-579-A	s	MOUNTED CIRCUIT BOARD, HA
6		A-1401-580-A	s	MOUNTED CIRCUIT BOARD, HB
7	⚠	X-4041-160-1	s	CABINET ASSY, TOP
8		X-4041-020-1	s	HOLDER FILTER (B) ASSY
9		X-4041-021-1	s	HOLDER, FILTER (A) ASSY
10		X-4041-023-1	s	GUIDE LIGHT ASSY
11		X-4041-027-1	s	HOLDER, FILTER ASSY
12	⚠	X-4041-028-1	s	PANEL ASSY, FRONT
13	⚠	X-4041-030-1	s	COVER ASSY, SIDE
14	⚠	1-763-422-11	s	FAN, DC
15	⚠	1-763-874-11	s	FAN, D.C.
16		4-091-802-01	o	CUSHION, FAN
17		4-091-827-01	o	HOLDER, HOOD
18		4-091-831-01	s	SHAFT
19		4-091-840-01	o	HOLDER (FR)
20		4-091-858-01	o	BRACKET (PW), FAN
21		4-091-850-01	s	BUTTON (HB1)
22		4-091-851-01	s	BUTTON (HB2)
23		4-091-854-01	o	HOLDER (H)
24		4-091-855-01	s	BUTTON (HA)
25		4-091-856-01	o	HOLDER (92), FAN
26		4-092-117-01	o	GUARD
27		4-091-845-01	s	FILTER, LENS (CINEMA FILTER)
		7-682-547-04	s	SCREW +B 3X6
		7-685-646-79	s	SCREW +BVTP 3X8
		7-682-949-01	s	SCREW +PSW 3X10
		7-682-955-09	s	SCREW +PSW 3X30

4-2-2. Chassis


+B 3×12
103
104
+B 3×6
105
+B 3×6
116
+B 3×6
106
112
+B 3×6
101
114
109
119
+B 3×6
110
118
+B 3×6
117
113
+B 3×6
+B 3×6
+B 3×6
102
111
115
108
107

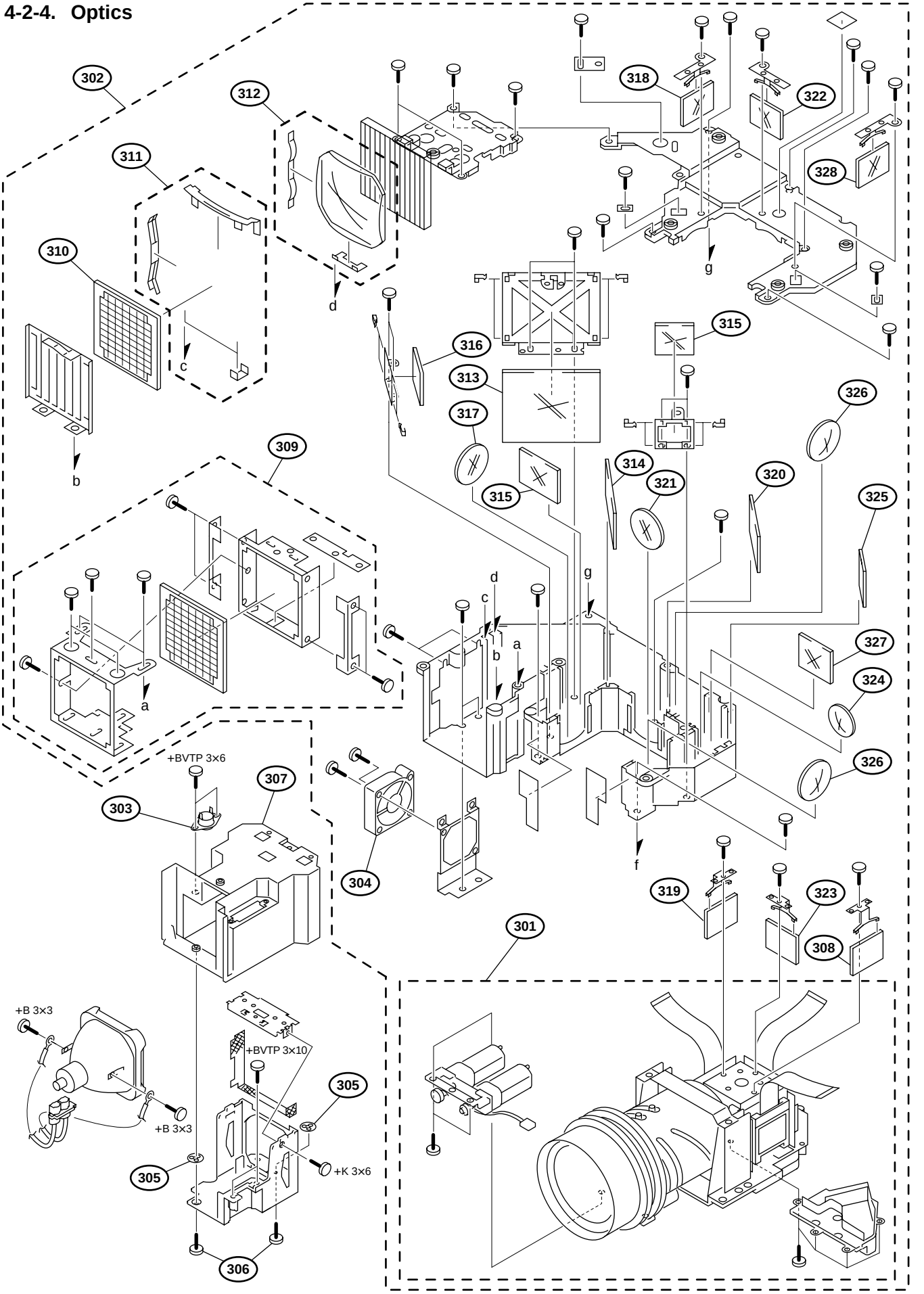
No.		Part No.	SP	Description
101		A-1300-767-A	s	MOUNTED CIRCUIT BOARD, MD
102		A-1300-769-A	s	MOUNTED CIRCUIT BOARD, MS
103		A-1300-770-A	s	MOUNTED CIRCUIT BOARD, B
104		A-1300-771-A	s	MOUNTED CIRCUIT BOARD, C
105		A-1300-772-A	s	MOUNTED CIRCUIT BOARD, G
106		A-1300-924-A	s	MOUNTED CIRCUIT BOARD, F
107	⚠	A-1603-999-A	s	SPEAKER ASSY
108		X-4039-453-1	o	SPRING ASSY, SPEAKER
109	⚠	1-468-719-11	s	LAMP POWER SUPPLY BLOCK
110		1-900-270-03	o	FLAT CONNECTOR ASSY 50P
111		4-085-052-01	o	HOLDER (AC)
112		4-091-803-01	o	CUSHION, G BRACKET
113		4-091-810-01	o	COVER, G BRACKET
114	⚠	4-091-865-01	o	BRACKET, POWER
115		4-091-826-01	o	HOLDER (FB)
116		4-091-834-01	o	PLATE, EARTH
117		4-091-838-01	s	SCREW M 5X5, SPECIAL
118		4-091-847-01	o	BRACKET (MD)
119		4-091-857-01	o	BRACKET (MS)
		7-682-547-04	s	SCREW +B 3X6
		7-682-550-04	s	SCREW +B 3X12

4-2-3. Base


+B 3×6
225
+B 3×6
214
+B 3×20
+B 3×6
208
+B 3×12
222
212
+PSW 3×35
207
+PS 3×10
+B 3×12
+B 3×6
213
+BVTP 3×10
209
202
220
+B 3×6
216
+B 3×6
218
201
+B 3×6
221
+B 3×6
+B 3×6
218
210
+B 3×6
215
+B 3×6
224
+B 3×6
203
211
206
217
205
219
204
223

No.		Part No.	SP	Description
201		A-1300-768-A	s	MOUNTED CIRCUIT BOARD, QA
202		A-1300-773-A	s	MOUNTED CIRCUIT BOARD, QB
203		A-1401-572-A	s	MOUNTED CIRCUIT BOARD, U
204	⚠	X-4041-159-1	s	COVER ASSY, FILTER
205	⚠	X-4041-024-1	s	DOOR ASSY, LAMP
206	⚠	X-4041-029-1	s	BASE ASSY
207	⚠	1-763-238-11	s	FAN, DC
208	⚠	1-763-695-11	s	FAN, DC
209		1-900-270-16	o	CONNECTOR ASSY, LAMP POWER
210		4-084-430-01	o	BRACKET, UNIT
211		4-085-075-01	s	SCREW M 1.6X5, SPECIAL HEAD
212		4-091-805-01	o	BRACKET FAN (R)
213		4-091-806-01	o	PLATE, LIGHT INTERSEPTION
214		4-091-812-01	o	DUCT LAMP (LOW)
215		4-091-816-01	o	DUCT IN (LOW)
216		4-091-817-01	o	DUCT IN (UP)
217		4-091-835-01	o	FOOT, REAR
218		4-091-838-01	s	SCREW M 5X5, SPECIAL
219		4-091-841-01	s	BUTTON, ADJUSTOR
220		4-091-842-01	o	PACKING (FAN)
221		4-091-853-01	o	UNIT, BUTTON
222		4-091-859-01	o	HOLDER (C)
223		4-091-860-01	s	ADJUSTOR
224		4-091-861-01	o	BASE, UNIT
225		4-091-811-01	o	DUCT LAMP (UP)
		7-682-547-04	s	SCREW +B 3X6
		7-682-550-04	s	SCREW +B 3X12
		7-682-553-09	s	SCREW +B 3X20
		7-682-649-09	s	SCREW +PS 3X10
		7-682-956-09	s	SCREW +PSW 3X35
		7-685-647-79	s	SCREW +BVTP 3X10

4-2-4. Optics


302
312
311
310
318
322
328
g
d
316
315
313
317
326
309
314
321
320
325
c
b
a
327
324
+BVTP 3×6
307
303
304
326
319
323
308
301
+B 3×3
+BVTP 3×10
305
+B 3×3
305
+K 3×6
306

No.	Part No.	SP	Description
301	A-1604-059-A	s	PRISM BLOCK ASSY
302	A-1604-079-A	s	OPTICAL BLOCK (G) ASSY
303 ⚠	1-576-523-11	s	THERMOSTAT
304 ⚠	9-885-019-00	s	FAN
305	3-715-526-01	o	WASHER (M3) (PLA)
306	4-086-247-01	s	SCREW, STEP M3
307	4-091-814-01	s	HOUSING, LAMP
308	9-885-029-43	s	POLARIZER, R OUT
309	9-885-028-79	o	EYE (A) ASSY, FLY
310	9-885-028-80	o	EYE (B),FLY
311	9-885-014-68	o	PBS ASSY
312	9-885-014-69	o	LENS, MAIN CONDENSER
313	9-885-014-70	o	MIRROR, ALL REFLECTION (A)
314	9-885-028-81	o	BDM
315	9-885-014-72	o	FILTER, UV ABSORPTION
316	9-885-014-73	o	MIRROR, ALL REFLECTION (B)
317	9-885-028-82	o	LENS, B-CH CONDENSER
318	9-885-029-40	s	POLARIZER, B IN
319	9-885-029-41	s	POLARIZER, B OUT
320	9-885-028-83	o	GDM
321	9-885-028-84	o	LENS, G-CH CONDENSER
322	9-885-028-85	s	POLARIZER, G IN
323	9-885-028-86	s	POLARIZER, G OUT
324	9-885-014-81	o	LENS (A), RELAY
325	9-885-014-82	o	MIRROR, ALL REFLECTION (C)
326	9-885-014-83	o	LENS (B), RELAY
327	9-885-028-87	o	RDF
328	9-885-029-42	s	POLARIZER, R IN
	7-682-247-09	s	SCREW +K 3X6
	7-682-544-04	s	SCREW +B 3X3
	7-685-645-79	s	SCREW +BVTP 3X6
	7-685-647-79	s	SCREW +BVTP 3X10

4-3. Electrical Parts List

B BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-770-A	s	MOUNTED CIRCUIT BOARD, B
C101	1-164-299-11	s	CAPACITOR,CHIP CERAMIC 0.22MF
C102	1-164-299-11	s	CAPACITOR,CHIP CERAMIC 0.22MF
C103	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C104	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C105	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C106	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C107	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C108	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C109	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C111	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C112	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C113	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C114	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C115	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C116	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C117	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C118	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C119	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C120	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C121	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C122	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C135	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C136	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C137	1-128-392-11	s	CAPACITOR,ELECT 470MF/6.3V
C138	1-128-392-11	s	CAPACITOR,ELECT 470MF/6.3V
C139	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C141	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C142	1-164-392-11	s	CAPACITOR CERAMIC 390PF/50V CH
C143	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C144	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C145	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C146	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C147	1-164-939-11	s	CAPACITOR,CHIP CERAMIC 2200PF
C148	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C149	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C150	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C151	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C152	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C153	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C154	1-128-993-11	s	CAPACITOR,ELECT 22MF
C155	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C156	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C157	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C158	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C159	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C160	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C161	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C162	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C163	1-128-993-11	s	CAPACITOR,ELECT 22MF
C164	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C165	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C166	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C167	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C168	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C169	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C170	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C171	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C172	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C173	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C174	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C175	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C176	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C177	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C178	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C179	1-128-390-11	s	CAPACITOR ELECT 220MF/6.3V
C180	1-164-860-11	s	CAPACITOR,CHIP CERAMIC 27PF/16
C181	1-128-013-11	s	CAPACITOR ERECT 1MF/50V
C182	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C183	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C184	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C185	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C186	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C187	1-128-013-11	s	CAPACITOR ERECT 1MF/50V
C188	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C192	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C193	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C194	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C195	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C196	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C197	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C198	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C199	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C200	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C222	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C223	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C224	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C225	1-164-939-11	s	CAPACITOR,CHIP CERAMIC 2200PF
C228	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C229	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C230	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C231	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C232	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C233	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C234	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C235	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C236	1-128-391-11	s	CAPACITOR,ELECT 330MF/6.3V
C237	1-128-391-11	s	CAPACITOR,ELECT 330MF/6.3V
C238	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C239	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C240	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C241	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C242	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C243	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C244	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C245	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C246	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C247	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C248	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C249	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C250	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C251	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C252	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C253	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C254	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C255	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C256	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C257	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C258	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C259	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C260	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C262	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C263	1-127-772-11	s	CAPACTOR C,CERAMIC 33000PF B
C301	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C302	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C303	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C304	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C305	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C306	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C307	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C308	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C309	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C311	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C313	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C314	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C315	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C317	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C318	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C321	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C322	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C323	1-137-987-81	s	CAPACITOR,C.CERAMIC 0.068MF
C324	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C325	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C326	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C328	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C329	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C330	1-164-882-11	s	CAPACITOR,CERAMIC 220PF/16V CH
C331	1-164-882-11	s	CAPACITOR,CERAMIC 220PF/16V CH
C333	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C334	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C335	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C336	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C337	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C339	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C340	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C341	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C401	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C402	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C403	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C404	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C405	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C406	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C407	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C408	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C409	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C410	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C411	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C412	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C413	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C414	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C415	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C416	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C417	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C418	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C419	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C420	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C421	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C422	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C423	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C424	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C425	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C426	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C427	1-124-778-00	s	CAPACITOR,ELECT 22MF/6.3V
C428	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C429	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C430	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C431	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C432	1-135-995-91	s	CAP,CHIP CERAMIC39000PF B 1608
C433	1-117-446-11	s	CAPACITOR CERAMIC 3900PF 16V
C434	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C435	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C436	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C437	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C438	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C439	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C440	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C441	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C450	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C451	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C452	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C453	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C454	1-164-866-11	s	CAPACITOR,CHIP CERAMIC 47PF/16
C455	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C456	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C457	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C458	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C501	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C502	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C503	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C504	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C505	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C506	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C508	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C509	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C510	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C601	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C602	1-135-346-11	s	CAP, SOLID ELECT 39MF 16V
C603	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C604	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C605	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C606	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C607	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C608	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C609	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN105	1-760-388-11	o	CONNECTOR PIN (SMD) 9 PIN
CN106	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN107	1-793-797-21	o	CONNECTOR, BOARD TO BOARD
CN108	1-793-797-21	o	CONNECTOR, BOARD TO BOARD
CN110	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN111	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN112	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
D101	8-719-037-22	s	DIODE RD12SB-T1
D102	8-719-037-22	s	DIODE RD12SB-T1
D222	8-719-059-53	s	DIODE MA3J14700LSO

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D223	8-719-059-53	s	DIODE MA3J14700LSO
D225	8-719-059-53	s	DIODE MA3J14700LSO
D226	8-719-059-53	s	DIODE MA3J14700LSO
D228	8-719-059-53	s	DIODE MA3J14700LSO
D230	8-719-059-53	s	DIODE MA3J14700LSO
D301	8-719-024-78	s	DIODE HN1D03FU-TE85R
D302	8-719-988-61	s	DIODE 1SS355TE-17
D303	8-719-988-61	s	DIODE 1SS355TE-17
D304	8-719-059-53	s	DIODE MA3J14700LSO
D305	8-719-059-53	s	DIODE MA3J14700LSO
D402	8-719-059-53	s	DIODE MA3J14700LSO
D404	8-719-059-53	s	DIODE MA3J14700LSO
D405	8-719-059-53	s	DIODE MA3J14700LSO
D406	8-719-059-53	s	DIODE MA3J14700LSO
D407	8-719-059-53	s	DIODE MA3J14700LSO
D408	8-719-059-53	s	DIODE MA3J14700LSO
D501	8-719-988-61	s	DIODE 1SS355TE-17
D601	8-719-988-61	s	DIODE 1SS355TE-17
FB141	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB142	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB143	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB144	1-216-296-00	s	CONDUCTOR, CHIP (3216)
FB145	1-216-296-00	s	CONDUCTOR, CHIP (3216)
FB146	1-216-295-91	s	CONDUCTOR, CHIP (2012)
FB147	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB148	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB222	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB401	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB403	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB501	1-469-670-11	o	FERRITE, EMI (SMD)
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FL141	1-239-848-21	s	FILTER, LOW PASS
FL142	1-239-848-21	s	FILTER, LOW PASS
FL143	1-239-848-21	s	FILTER, LOW PASS
IC101	8-759-677-33	s	IC MM1228XF
IC102	------------		IC M24C64-WMN6T(B)
Note If this IC has failed, replace the whole B board.			
IC103	8-759-596-39	s	IC SN74LV4052APWR
IC104	8-759-548-95	s	IC SN74LV00APWR
IC141	8-759-533-85	s	IC L88M05T-FA-TL
IC142	8-759-582-37	s	IC PQ2TZ15U
IC143	8-759-460-72	s	IC BA033FP
IC144	6-700-960-01	s	IC UPD64083GF-3BA
IC145	8-759-460-81	s	IC BA12FP-E2
IC223	8-759-460-72	s	IC BA033FP
IC224	8-759-659-65	s	IC LP2985IM5X-3.3
IC301	8-759-596-34	s	IC SN74LV4053APWR
IC302	8-759-082-61	s	IC TC4W53FU
IC303	8-759-646-02	s	IC M52347FP-TE
IC304	8-759-596-34	s	IC SN74LV4053APWR
IC401	8-759-460-72	s	IC BA033FP
IC402	8-759-659-65	s	IC LP2985IM5X-3.3
IC403	6-703-362-01	s	IC AD9888KS-100
IC501	8-759-549-20	s	IC SN74LV541APWR
IC502	8-759-549-20	s	IC SN74LV541APWR
IC503	8-759-549-20	s	IC SN74LV541APWR
IC504	8-759-549-20	s	IC SN74LV541APWR
IC505	8-759-549-20	s	IC SN74LV541APWR

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC506	8-759-549-20	s	IC SN74LV541APWR
IC507	8-759-549-20	s	IC SN74LV541APWR
L101	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L102	1-409-529-41	s	COIL, CHOKE 10UH
L103	1-409-529-41	s	COIL, CHOKE 10UH
L104	1-409-529-41	s	COIL, CHOKE 10UH
L141	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L142	1-414-770-91	s	INDUCTOR 4.7UH
L143	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L144	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L145	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L146	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L222	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L223	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L224	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L301	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L302	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L303	1-469-523-91	s	INDUCTOR 2.2UH (NLFV25)
Q101	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q135	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q136	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q141	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q142	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q143	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q144	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q145	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q146	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q147	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q148	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q149	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q150	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q151	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q152	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q153	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q154	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q155	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q301	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q302	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q303	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q304	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q305	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q306	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q307	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q308	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q309	8-729-013-26	s	TRANSISTOR HN1C03FU-TE85R
Q310	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q311	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q313	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q314	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q319	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q321	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q425	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q426	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q450	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q451	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q452	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q453	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q454	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q455	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q456	8-729-427-70	s	TRANSISTOR XP4401
Q457	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q501	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R101	1-208-656-81	s	RESISTOR, METAL CHIP75(1005)
R102	1-208-656-81	s	RESISTOR, METAL CHIP75(1005)
R103	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R104	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R105	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R106	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R107	1-218-662-11	s	RESISTOR,CHIP 56 1/16W (1608)
R108	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R109	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R110	1-218-662-11	s	RESISTOR,CHIP 56 1/16W (1608)
R111	1-218-662-11	s	RESISTOR,CHIP 56 1/16W (1608)
R112	1-218-662-11	s	RESISTOR,CHIP 56 1/16W (1608)
R113	1-218-662-11	s	RESISTOR,CHIP 56 1/16W (1608)
R114	1-218-662-11	s	RESISTOR,CHIP 56 1/16W (1608)
R115	1-218-937-11	s	RESISTOR, CHIP 47
R116	1-218-937-11	s	RESISTOR, CHIP 47
R117	1-218-937-11	s	RESISTOR, CHIP 47
R118	1-218-937-11	s	RESISTOR, CHIP 47
R119	1-218-937-11	s	RESISTOR, CHIP 47
R120	1-218-937-11	s	RESISTOR, CHIP 47
R121	1-218-937-11	s	RESISTOR, CHIP 47
R122	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R123	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R124	1-208-656-81	s	RESISTOR, METAL CHIP75(1005)
R125	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R126	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R127	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R129	1-218-937-11	s	RESISTOR, CHIP 47
R130	1-218-937-11	s	RESISTOR, CHIP 47
R131	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R132	1-218-937-11	s	RESISTOR, CHIP 47
R133	1-218-937-11	s	RESISTOR, CHIP 47
R134	1-218-937-11	s	RESISTOR, CHIP 47
R135	1-218-937-11	s	RESISTOR, CHIP 47
R137	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R138	1-218-937-11	s	RESISTOR, CHIP 47
R139	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R140	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R141	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R142	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R143	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R144	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R145	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R146	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R147	1-218-956-11	s	RESISTOR, CHIP 1.8K
R148	1-218-956-11	s	RESISTOR, CHIP 1.8K
R149	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R150	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R151	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R152	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R153	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R154	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R155	1-208-677-11	s	RESISTOR CHIP 560 1/16W (1005)
R156	1-208-677-11	s	RESISTOR CHIP 560 1/16W (1005)
R157	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R158	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R159	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R160	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R161	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R162	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R164	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R165	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R166	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R167	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R168	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R169	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R170	1-218-952-11	s	RESISTOR, CHIP 820
R171	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R172	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R173	1-208-651-11	s	RESISTOR CHIP 47 1/16W (1005)
R174	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R175	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R176	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R177	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R178	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W(1005)
R179	1-218-952-11	s	RESISTOR, CHIP 820
R180	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W(1005)
R181	1-218-952-11	s	RESISTOR, CHIP 820
R182	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R183	1-218-966-11	s	RESISTOR, CHIP 12K
R184	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R185	1-218-966-11	s	RESISTOR, CHIP 12K
R186	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R187	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R188	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R189	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R190	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R191	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R192	1-208-677-11	s	RESISTOR CHIP 560 1/16W (1005)
R193	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R194	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R195	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R196	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R197	1-218-955-11	s	RESISTOR, CHIP 1.5K
R198	1-218-955-11	s	RESISTOR, CHIP 1.5K
R199	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R200	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R201	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R202	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R203	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R204	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R224	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R225	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R226	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R227	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R228	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R230	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R231	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R234	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R235	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R236	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R237	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R238	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R240	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R241	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R242	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R243	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R244	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R246	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R247	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R248	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R250	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R251	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R253	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R254	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R255	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R256	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R257	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R258	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R259	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R263	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R264	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R266	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R267	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R268	1-208-653-11	s	RESISTOR CHIP 56 1/16W (1005)
R270	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R272	1-211-975-11	s	RESISTOR,CHIP 18 1/10W (1608)
R273	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R300	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R301	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R302	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R303	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R304	1-218-937-11	s	RESISTOR, CHIP 47
R305	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R306	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R307	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R308	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R309	1-218-937-11	s	RESISTOR, CHIP 47
R310	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R311	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R312	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R313	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R314	1-218-937-11	s	RESISTOR, CHIP 47
R315	1-218-937-11	s	RESISTOR, CHIP 47
R316	1-218-937-11	s	RESISTOR, CHIP 47
R317	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R318	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R319	1-218-937-11	s	RESISTOR, CHIP 47
R320	1-218-937-11	s	RESISTOR, CHIP 47
R321	1-218-937-11	s	RESISTOR, CHIP 47
R322	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R323	1-208-719-11	s	RESISTOR CHIP 33K 1/16W (1005)
R324	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R325	1-218-937-11	s	RESISTOR, CHIP 47
R326	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R327	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R328	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R329	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R330	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R331	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R332	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R333	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R334	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R335	1-208-681-11	s	RESISTOR CHIP 820 1/16W (1005)
R336	1-218-937-11	s	RESISTOR, CHIP 47
R337	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R338	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R339	1-218-937-11	s	RESISTOR, CHIP 47
R340	1-218-937-11	s	RESISTOR, CHIP 47
R341	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R342	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R343	1-208-693-11	s	RESISTOR CHIP 2.7K 1/16W(1005)
R344	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R346	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R347	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R348	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R349	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R350	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R353	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R368	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R372	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R376	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R377	1-218-959-11	s	RESISTOR, CHIP 3.3K
R379	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R381	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R382	1-218-937-11	s	RESISTOR, CHIP 47
R383	1-218-937-11	s	RESISTOR, CHIP 47
R385	1-218-937-11	s	RESISTOR, CHIP 47
R386	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R387	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R388	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R389	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R390	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R391	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R397	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R398	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R399	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R401	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R402	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R403	1-218-937-11	s	RESISTOR, CHIP 47
R405	1-218-937-11	s	RESISTOR, CHIP 47
R407	1-218-937-11	s	RESISTOR, CHIP 47
R408	1-218-937-11	s	RESISTOR, CHIP 47
R409	1-218-937-11	s	RESISTOR, CHIP 47
R410	1-218-937-11	s	RESISTOR, CHIP 47
R411	1-218-937-11	s	RESISTOR, CHIP 47
R412	1-218-937-11	s	RESISTOR, CHIP 47
R413	1-218-937-11	s	RESISTOR, CHIP 47
R414	1-218-937-11	s	RESISTOR, CHIP 47
R415	1-218-937-11	s	RESISTOR, CHIP 47
R416	1-218-937-11	s	RESISTOR, CHIP 47
R418	1-218-937-11	s	RESISTOR, CHIP 47
R420	1-218-937-11	s	RESISTOR, CHIP 47
R421	1-218-937-11	s	RESISTOR, CHIP 47
R422	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R423	1-218-937-11	s	RESISTOR, CHIP 47
R424	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R425	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R426	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R450	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R451	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R452	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R453	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R454	1-218-937-11	s	RESISTOR, CHIP 47
R455	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R456	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R457	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R458	1-218-937-11	s	RESISTOR, CHIP 47
R459	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R460	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R461	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R462	1-208-671-11	s	RESISTOR CHIP 330 1/16W (1005)
R463	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R464	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R465	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R466	1-218-937-11	s	RESISTOR, CHIP 47
R467	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R468	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W(1005)
R469	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R470	1-218-937-11	s	RESISTOR, CHIP 47
R471	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R472	1-218-937-11	s	RESISTOR, CHIP 47
R473	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R474	1-218-963-11	s	RESISTOR,CHIP 6.8K 1/16W
R475	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R476	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R477	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R478	1-218-937-11	s	RESISTOR, CHIP 47
R479	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R480	1-218-937-11	s	RESISTOR, CHIP 47
R481	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R501	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R502	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R503	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R520	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R521	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R522	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R523	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R524	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R525	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R526	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R527	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R528	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R529	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R530	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R531	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R601	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R603	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R604	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R605	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R606	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R607	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R608	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R609	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R610	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R611	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R612	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R614	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
RB221	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB222	1-234-369-21	s	RES, NETWORK 10X4 (1005)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB223	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB224	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB401	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB402	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB403	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB404	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB405	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB406	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB407	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB408	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB409	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB410	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB411	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB412	1-234-372-21	s	RES, NETWORK 100X4 (1005)
RB501	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB502	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB503	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB504	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB505	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB506	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB507	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB508	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB509	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB510	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB511	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB512	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB513	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB601	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB602	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB603	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB604	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB605	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB606	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB607	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB608	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB609	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB610	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB611	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB612	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB613	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB614	1-234-371-11	s	RES, NETWORK 47X4 (1005)
TP141	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP144	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP601	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP602	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP603	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X141	1-760-273-11	s	VIBRATOR, CRYSTAL
X221	1-795-219-21	s	VIBRATOR, CRYSTAL

C BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-771-A	s	MOUNTED CIRCUIT BOARD, C
C201	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C202	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C203	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C204	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C205	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C206	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C207	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C208	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C209	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C210	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C211	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C212	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C213	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C214	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C215	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C216	1-107-682-11	s	CAPACITOR,CHIP 1MF/16V (3216)
C217	1-164-882-11	s	CAPACITOR,CERAMIC 220PF/16V CH
C218	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C219	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C220	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C221	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C230	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C231	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C232	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C233	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C401	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C402	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C403	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C404	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C405	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C406	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C407	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C408	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C409	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C410	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C411	1-126-246-11	s	CAPACITOR ELECT 220MF/4V(CHIP)
C412	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C413	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C414	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C415	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C416	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C417	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C418	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C419	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C420	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C421	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C422	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C423	1-126-246-11	s	CAPACITOR ELECT 220MF/4V(CHIP)
C424	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C425	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C426	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C427	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C428	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C429	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C430	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C431	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C432	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C433	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C434	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C435	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C436	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C437	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C438	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C450	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C451	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C452	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C453	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C454	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C455	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C456	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C457	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C458	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C459	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C460	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C461	1-126-607-11	s	CAPACITOR,ELECT 47MF/4V
C462	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C521	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C522	1-165-871-11	s	CAPACITOR,ELECT 22MF
C523	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C524	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C525	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C526	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C527	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C528	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C529	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C530	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C531	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C532	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C533	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C534	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C535	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C536	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C537	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C538	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C539	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C540	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C542	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C543	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C544	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C551	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C552	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C553	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C554	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/16
C555	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C556	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C557	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C559	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C560	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C561	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C562	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C563	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C564	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C565	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C566	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C567	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C568	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C569	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C570	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C571	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C572	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C573	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C574	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C575	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C576	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C577	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C578	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C579	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C580	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C581	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C582	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C583	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C584	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C585	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C586	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C587	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C588	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C589	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C590	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C591	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C592	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C600	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C601	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C602	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C603	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C604	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C605	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C606	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C607	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C608	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C609	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C610	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C611	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C612	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C613	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C614	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C615	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C616	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C617	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C618	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C619	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C620	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C621	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C622	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C623	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C624	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C625	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C626	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C627	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C630	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C631	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C632	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C633	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C634	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C635	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C636	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C638	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C640	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C641	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C642	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C643	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C644	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C645	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C646	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C700	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C701	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C702	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C703	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C704	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C705	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C706	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C707	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C708	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C709	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C710	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C711	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C712	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C713	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C714	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C715	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C716	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C717	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C718	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C719	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C720	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C721	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C722	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C723	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C724	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C725	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C726	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C728	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C729	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C730	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C731	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C732	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C733	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C734	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C735	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C736	1-164-935-11	s	CAPACITOR,CHIP CERAMIC 470PF
C737	1-164-935-11	s	CAPACITOR,CHIP CERAMIC 470PF
C738	1-126-197-11	s	CAPACITOR ERECT 10MF/50V
C770	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C771	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C772	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C773	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C774	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C775	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C776	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C777	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C778	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C779	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C780	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C781	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C782	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C783	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C784	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C785	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C786	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C787	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C788	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C789	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C791	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C792	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C793	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C794	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C795	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C796	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C820	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C821	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C822	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C823	1-165-881-21	s	CAP, ELECT 120MF (6.3X6)
C824	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C825	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C826	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C827	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C828	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C829	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C830	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C831	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C832	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C833	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C834	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C835	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C836	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C837	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C838	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C839	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C840	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C860	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C861	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C862	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C863	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C864	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C865	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C866	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C867	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C868	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C869	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C870	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C871	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C872	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C873	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C874	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C875	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C876	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C877	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C878	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C879	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C880	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
CN201	1-580-055-21	o	PIN, CONNECTOR 2P
CN304	1-785-613-11	o	CONNECTOR, FFC/FPC 50P
CN401	1-779-884-11	s	PLUG, CONNECTOR 4P
CN501	1-785-306-21	o	CONNECTOR, BOARD TO BOARD

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN502	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN511	1-770-620-21	s	PIN, CONNECTOR 3P
CN512	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN521	1-770-626-21	s	PIN, CONNECTOR (L TYPE) 9P
CN522	1-778-965-21	s	PIN, CONNECTOR (PC BOARD) 12P
CN523	1-785-900-11	s	CONNECTOR
CN600	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN601	1-778-965-21	s	PIN, CONNECTOR (PC BOARD) 12P
CN602	1-770-620-21	s	PIN, CONNECTOR 3P
CN603	1-770-621-21	s	PIN, CONNECTOR 4P
CN604	1-770-619-11	o	PIN, CONNECTOR 2P
CN605	1-580-756-21	o	PIN, CONNECTOR 7P
CN606	1-770-622-21	s	PIN, CONNECTOR 5P
CN607	1-695-223-21	o	PIN,CONNECTOR (SMD) 10P
CN608	1-573-290-21	s	PIN,CONNECTOR (4P)(SMD)(1.5MM)
CN609	1-691-550-11	s	PIN,CONNECTOR (3P)(SMD)(1.5MM)
CN610	1-774-730-21	s	PIN, CONNECTOR (PC BOARD) 3P
CN611	1-794-509-11	s	PIN, CONNECTOR (PC BOARD) (3P)
CN612	1-691-550-51	s	PIN, CONNECTOR (1.5MM)(SMD)3P
CN700	1-779-884-11	s	PLUG, CONNECTOR 4P
CN770	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN820	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN860	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
D201	8-719-024-78	s	DIODE HN1D03FU-TE85R
D501	8-719-941-86	s	DIODE DAN202U
D521	8-719-024-78	s	DIODE HN1D03FU-TE85R
D600	8-719-073-01	s	DIODE MA111-(K8).S0
D601	8-719-073-11	s	DIODE BZA456A
D604	8-719-073-01	s	DIODE MA111-(K8).S0
D605	8-719-073-01	s	DIODE MA111-(K8).S0
D606	8-719-073-01	s	DIODE MA111-(K8).S0
D607	8-719-073-01	s	DIODE MA111-(K8).S0
D608	8-719-073-01	s	DIODE MA111-(K8).S0
FB301	1-400-150-11	s	FERRITE, EMI (SMD)
FB302	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB401	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB402	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB403	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB404	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB405	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB450	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB451	1-414-766-21	s	INDUCTOR,FERRITE BEAD
FB501	1-400-150-11	s	FERRITE, EMI (SMD)
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB503	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB504	1-400-150-11	s	FERRITE, EMI (SMD)
FB521	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB522	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB600	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB602	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB604	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB606	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB607	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB608	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB609	1-414-921-11	s	INDUCTOR, FERRITE BEAD

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB610	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB611	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB612	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB613	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB614	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB615	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB617	1-400-150-11	s	FERRITE, EMI (SMD)
FB618	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB619	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB620	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB626	1-400-150-11	s	FERRITE, EMI (SMD)
FB627	1-469-670-11	o	FERRITE, EMI (SMD)
FB628	1-469-670-11	o	FERRITE, EMI (SMD)
FB629	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB630	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB631	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB632	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB633	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB634	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB635	1-400-150-11	s	FERRITE, EMI (SMD)
FB636	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB637	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB638	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB639	1-469-670-11	o	FERRITE, EMI (SMD)
FB640	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB641	1-469-670-11	o	FERRITE, EMI (SMD)
FB642	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB643	1-469-670-11	o	FERRITE, EMI (SMD)
FB644	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB700	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB701	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB702	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB703	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB704	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB705	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB706	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB707	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB708	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB770	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB771	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB773	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB820	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB821	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB860	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB861	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FL600	1-239-899-21	s	FILTER, CHIP EMI
FL601	1-239-899-21	s	FILTER, CHIP EMI
IC201	8-759-352-94	s	IC TDA7309D013TR
IC202	6-703-352-01	s	IC TPA2000D1PW
IC203	8-759-533-85	s	IC L88M05T-FA-TL
IC204	6-700-792-01	s	IC NJM78M09DL1A(TE1)
IC402	8-759-582-37	s	IC PQ2TZ15U
IC403	8-759-092-80	s	IC SN75157PS
IC405	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC407	8-759-663-74	s	IC HY57V161610DTC-7TR
IC502	8-759-582-37	s	IC PQ2TZ15U
IC504	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC505	8-759-478-92	s	IC TC7SET04FU(TE85R)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC506	6-703-092-01	s	IC ICS332-SX1745
IC509	6-703-133-01	s	IC MX29LV800TTC-70G-SX1745
IC521	8-759-460-72	s	IC BA033FP
IC522	8-759-649-43	s	IC SN74AHC1G00DCKR
IC523	8-759-471-89	s	IC 74VHC02MTCX
IC524	8-759-549-01	s	IC SN74LV125APWR
IC525	6-702-624-01	s	IC HD64F2377VFQ33V
Note	Replace this IC after it is written in all kind of data by flash memory writer.		
IC526	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC527	8-759-592-49	s	IC TC7SZ125FU(TE85R)
IC600	8-759-533-85	s	IC L88M05T-FA-TL
IC601	8-759-681-47	s	IC IRMF-A0T-QTP
IC602	8-759-066-55	s	IC TA75W393FU
IC603	8-759-714-09	s	IC ADXL202JE-REEL
IC604	8-759-643-48	s	IC BA00ASFP-E2
IC605	8-759-643-48	s	IC BA00ASFP-E2
IC606	8-759-643-48	s	IC BA00ASFP-E2
IC607	8-759-643-48	s	IC BA00ASFP-E2
IC610	8-759-643-48	s	IC BA00ASFP-E2
IC612	8-759-066-55	s	IC TA75W393FU
IC700	6-702-974-01	s	IC CXD9671GG
IC701	8-759-548-99	s	IC SN74LV08APWR
IC702	8-759-582-37	s	IC PQ2TZ15U
IC704	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC705	----------		IC HN58X24256FPIZ
Note	If this IC has failed, replace the whole C board.		
IC707	8-759-542-46	s	IC M62392FP
IC708	8-759-679-58	s	IC SN74AHCT541PWR
IC709	8-759-679-58	s	IC SN74AHCT541PWR
IC710	6-700-915-01	s	IC SN74AHCT04PWR
IC770	8-759-388-31	s	IC PQ20VZ1U
IC771	8-752-103-41	s	IC CXA3562AR-T6
IC772	8-759-252-41	s	IC TK11900MTL
IC820	8-752-103-41	s	IC CXA3562AR-T6
IC860	8-752-103-41	s	IC CXA3562AR-T6
L201	1-412-028-11	s	INDUCTOR,CHIP 4.7UH (3225)
L202	1-409-529-41	s	COIL, CHOKE 10UH
L502	1-469-528-91	s	INDUCTOR 100UH (NLFV25)
L700	1-469-523-91	s	INDUCTOR 2.2UH (NLFV25)
L770	1-414-078-11	s	INDUCTOR 10UH
L771	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L772	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L820	1-414-078-11	s	INDUCTOR 10UH
L821	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L822	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L860	1-414-078-11	s	INDUCTOR 10UH
L861	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L862	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
Q203	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q401	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q521	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q522	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q523	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q524	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q525	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q526	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q527	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q600	8-729-029-14	s	TRANSISTOR DTC144EUA-T106

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q601	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q602	8-729-427-72	s	TRANSISTOR XP4501-TXE
Q603	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q604	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q605	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q606	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q607	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q608	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q610	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q611	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q612	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q613	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q700	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q701	1-801-806-11	s	TRANSISTOR DTC144EKA
Q702	8-729-013-26	s	TRANSISTOR HN1C03FU-TE85R
Q770	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q771	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q820	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q821	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q860	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q861	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
R201	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R202	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R203	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R206	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R207	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R208	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R209	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R210	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R211	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R213	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R215	1-216-296-00	s	CONDUCTOR, CHIP (3216)
R216	1-218-978-11	s	RESISTOR,CHIP 120K 1/16W(1005)
R217	1-216-296-00	s	CONDUCTOR, CHIP (3216)
R218	1-216-296-00	s	CONDUCTOR, CHIP (3216)
R401	1-218-937-11	s	RESISTOR, CHIP 47
R402	1-218-937-11	s	RESISTOR, CHIP 47
R405	1-218-937-11	s	RESISTOR, CHIP 47
R406	1-218-937-11	s	RESISTOR, CHIP 47
R407	1-218-937-11	s	RESISTOR, CHIP 47
R408	1-218-937-11	s	RESISTOR, CHIP 47
R412	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R414	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R415	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R417	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R418	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R420	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R421	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R422	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R423	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R424	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R425	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R426	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R427	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R428	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R429	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R430	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R431	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R432	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R433	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R435	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R437	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R438	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R441	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R443	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R444	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R446	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R448	1-218-959-11	s	RESISTOR, CHIP 3.3K
R449	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R450	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R451	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R452	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R453	1-218-966-11	s	RESISTOR, CHIP 12K
R454	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R455	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R456	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R457	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R459	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R460	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R461	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R462	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R485	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R486	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R489	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R490	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R493	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R495	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R496	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R497	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R498	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R500	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R501	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R503	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R504	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R505	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R506	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R507	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R508	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R509	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R510	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R511	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R512	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R513	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R514	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R517	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R518	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R519	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R520	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R521	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R522	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R523	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R525	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R526	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R527	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R528	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R529	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R530	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R533	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R534	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R535	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R536	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R537	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R538	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R539	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R540	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R541	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R543	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R544	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R545	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R546	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R547	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R548	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R549	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R550	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R551	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R552	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R553	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R556	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R557	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R558	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R559	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R560	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R561	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R562	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R563	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R564	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R566	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R567	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R568	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R569	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R570	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R571	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R572	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R573	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R575	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R576	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R577	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R578	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R579	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R580	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R581	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R582	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R583	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R584	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R585	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R586	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R587	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R588	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R594	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R595	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R596	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R597	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R598	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R599	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R600	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R601	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R602	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R603	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R604	1-218-962-11	s	RESISTOR,CHIP 5.6K 1/16W(1005)
R605	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R606	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R608	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R609	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R611	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R612	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R613	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R614	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R615	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R616	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R617	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R618	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R619	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R620	1-218-917-11	s	RESISTOR,CHIP 820K 1/10W(1608)
R621	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R622	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R623	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R624	1-218-959-11	s	RESISTOR, CHIP 3.3K
R625	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R626	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R627	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R628	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R630	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R631	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R632	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R633	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R635	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R637	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R639	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R640	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R641	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R642	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R643	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R644	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R645	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R646	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R647	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R648	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R649	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R650	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R651	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R652	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R653	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R654	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R655	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R656	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R657	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R658	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R659	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R660	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R661	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R662	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R663	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R668	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R669	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R670	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R671	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R672	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R673	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R674	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R675	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R676	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R677	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R678	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R679	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R680	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R681	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R684	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R685	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R686	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R687	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R688	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R689	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R690	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R691	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R692	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R693	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R694	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R695	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R696	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R697	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R698	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R699	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R700	1-218-937-11	s	RESISTOR, CHIP 47
R701	1-218-937-11	s	RESISTOR, CHIP 47
R702	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R703	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R704	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R705	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R706	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R707	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R710	1-218-937-11	s	RESISTOR, CHIP 47
R711	1-218-937-11	s	RESISTOR, CHIP 47
R712	1-218-937-11	s	RESISTOR, CHIP 47
R713	1-218-937-11	s	RESISTOR, CHIP 47
R715	1-218-937-11	s	RESISTOR, CHIP 47
R716	1-218-937-11	s	RESISTOR, CHIP 47
R717	1-218-937-11	s	RESISTOR, CHIP 47
R718	1-218-937-11	s	RESISTOR, CHIP 47
R719	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R720	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R721	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R722	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R723	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R724	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R725	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R726	1-218-937-11	s	RESISTOR, CHIP 47
R727	1-218-937-11	s	RESISTOR, CHIP 47
R728	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R729	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R730	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R731	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R732	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R733	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R734	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R735	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R736	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R771	1-218-937-11	s	RESISTOR, CHIP 47
R772	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R773	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R774	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R777	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R778	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R780	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R781	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R782	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R783	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R784	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R785	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R786	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R787	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R788	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R789	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R790	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R791	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R792	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R793	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R794	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R820	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R821	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R824	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R826	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R827	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R828	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R829	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R830	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R831	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R832	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R833	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R834	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R835	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R836	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R860	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R861	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R864	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R866	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R867	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R868	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R869	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R870	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R871	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R872	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R873	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R874	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R875	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R876	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
RB401	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB402	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB403	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB404	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB405	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB406	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB407	1-234-369-21	s	RES, NETWORK 10X4 (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
RB408	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB409	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB410	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB411	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB412	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB450	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB451	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB452	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB453	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB454	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB455	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB456	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB457	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB458	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB459	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB460	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB461	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB501	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB502	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB503	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB504	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB505	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB506	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB521	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB522	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB523	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB524	1-234-378-11	s	RES, NETWORK 10KX4	(1005)
RB525	1-234-375-21	s	RES, NETWORK 1KX4	(1005)
RB526	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB527	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB528	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB529	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB530	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB531	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB532	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB533	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB534	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB535	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB536	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB537	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB538	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB539	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB540	1-234-378-11	s	RES, NETWORK 10KX4	(1005)
RB541	1-234-377-21	s	RES, NETWORK 4.7KX4	(1005)
RB542	1-234-377-21	s	RES, NETWORK 4.7KX4	(1005)
RB700	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB701	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB702	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB703	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB704	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB705	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB706	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB707	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB708	1-234-372-21	s	RES, NETWORK 100X4	(1005)
RB709	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB710	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB711	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB712	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB713	1-234-371-11	s	RES, NETWORK 47X4	(1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
RB714	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB770	1-234-523-21	s	RESISTOR,CHIP NETWORK	
RB771	1-234-523-21	s	RESISTOR,CHIP NETWORK	
RB820	1-234-523-21	s	RESISTOR,CHIP NETWORK	
RB821	1-234-523-21	s	RESISTOR,CHIP NETWORK	
RB860	1-234-523-21	s	RESISTOR,CHIP NETWORK	
RB861	1-234-523-21	s	RESISTOR,CHIP NETWORK	
S401	1-771-337-21	s	SWITCH, SLIDE	
S700	1-771-337-21	s	SWITCH, SLIDE	
TH521	1-803-382-11	s	THERMISTOR	(1005)
TP201	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP303	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP304	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP305	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP306	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP307	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP401	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP402	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP501	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP502	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP503	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP504	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP521	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP522	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP700	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP701	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP702	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP703	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP704	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP705	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP706	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP707	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP708	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP709	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP710	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP711	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP770	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP771	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP772	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP773	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP774	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP820	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP821	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP860	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP861	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
X401	1-781-544-11	s	VIBRATOR, CERAMIC	
X501	1-795-650-21	s	VIBRATOR, CRYSTAL	
X521	1-795-650-21	s	VIBRATOR, CRYSTAL	

F BOARD

Ref. No. or Q'ty		Part No.	SP	Description
1pc		A-1300-924-A	s	MOUNTED CIRCUIT BOARD, F
1pc		4-374-846-01	o	COVER,CAPACITOR,CAP TYPE
C501	⚠	1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C502	⚠	1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C503	⚠	1-107-533-11	s	CAPACITOR FILM 1MF/250VAC
C504	⚠	1-115-166-11	s	CAPACITOR,FILM 0.22MF/250VAC
C505	⚠	1-115-166-11	s	CAPACITOR,FILM 0.22MF/250VAC
CN501	⚠	1-815-470-11	s	INLET, AC
CN502	⚠	1-691-960-21	o	PIN, CONNECTOR (PC BOARD) 3P
F501	⚠	1-576-233-11	s	FUSE (H.B.C.) 6.3A/250V
FH501		1-533-223-11	s	CLIP,FUSE
FH502		1-533-223-11	s	CLIP,FUSE
L501	⚠	1-456-134-11	s	COIL, LINE FILTER
L502	⚠	1-456-134-11	s	COIL, LINE FILTER
R501	⚠	1-202-847-00	s	RESISTOR,SOLID 560K 1/2W
VD501	⚠	1-801-268-11	s	VARISTOR (TNR14V471K660)

G BOARD

Ref. No. or Q'ty		Part No.	SP	Description
1pc		A-1300-772-A	s	MOUNTED CIRCUIT BOARD, G
2pcs		7-682-648-09	s	SCREW +PS 3X8
C602	⚠	1-137-639-11	s	CAPACITOR,PE FILM 0.47MF
C603		1-117-228-11	s	CAPACITOR,FILM 2.2MF/450V
C604		1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C605		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C606		1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C607		1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C608		1-125-898-11	s	CAPACITOR, CERAMIC 0.22MF 50V
C609	⚠	1-117-752-11	s	CAPACITOR, ELECT 330MF/450V
C700		1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C701		1-136-479-11	s	CAPACITOR FILM 0.001MF/100V PP
C702		1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C703		1-115-835-11	s	CAPACITOR,ELECT 330MF/50V(105)
C704		1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C705		1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C706		1-126-967-11	s	CAPACITOR,ELECT 47MF/50V
C707		1-130-495-00	s	CAPACITOR FILM 0.1MF/50V PETP
C708		1-135-834-11	s	CAPACITOR, CERAMIC 2200000PF
C709		1-137-754-81	s	CAPACITOR,PP FILM 6800PF
C711	⚠	1-113-903-11	s	CAPACITOR,CERAMIC .001MF/250V
C712		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C713		1-115-789-11	s	CAPACITOR ELECT 1000MF/25V 105
C714		1-128-946-11	s	CAP, ELECT 2200MF / 10V
C715		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C716		1-115-789-11	s	CAPACITOR ELECT 1000MF/25V 105
C717		1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C718		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C719		1-127-820-11	s	CAPACITOR, SQUARE CHIP 4.7MF
C720		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C724		1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C729		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C732		1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C734		1-107-911-11	s	CAPACITOR,ELECT 220MF/50V
C744		1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C745		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C746		1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C747		1-115-710-11	s	CAPACITOR,ELECT 1000MF/6.3V
C748		1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C749		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C751		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C850		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN600	⚠	1-691-960-21	o	PIN, CONNECTOR (PC BOARD) 3P
CN601		1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN702		1-691-591-11	o	PIN,CONNECTOR (8P)(SMD)(1.5MM)
CN703		1-766-376-11	s	PIN, CONNECTOR (1.5MM)(SMD) 9P
CN705		1-766-382-11	s	PIN, CONNECTOR (10P)(SMD)(1.5M
CN706		1-764-177-11	o	PIN,CONNECTOR (7P)(SMD)(1.5MM)
D600		8-719-022-14	s	DIODE UZM13B
D601		8-719-055-30	s	DIODE D1FS4A-TA
D602	⚠	8-719-066-75	s	DIODE D6SB80
D603		8-719-055-30	s	DIODE D1FS4A-TA
D604		8-719-304-63	s	DIODE RM11C (RECTI)
D701		8-719-107-13	s	DIODE RD18M-B1
D702		8-719-110-42	s	DIODE RD15ES-B3
D703		8-719-055-30	s	DIODE D1FS4A-TA
D704		8-719-110-42	s	DIODE RD15ES-B3

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D705	8-719-979-64	s	DIODE UF4005PKG23
D706	8-719-118-18	s	DIODE RD39M-B
D707	8-719-057-85	s	DIODE D2FS4-TA
D708	8-719-510-09	s	DIODE D10SC6M (RECTI)
D712	8-719-510-09	s	DIODE D10SC6M (RECTI)
D713	8-719-106-23	s	DIODE RD7.5M-B2
D715	8-719-510-09	s	DIODE D10SC6M (RECTI)
D716	8-719-073-01	s	DIODE MA111-(K8).S0
D717	8-719-073-01	s	DIODE MA111-(K8).S0
D718	8-719-073-01	s	DIODE MA111-(K8).S0
D719	8-719-073-01	s	DIODE MA111-(K8).S0
D720	8-719-073-01	s	DIODE MA111-(K8).S0
D721	8-719-073-01	s	DIODE MA111-(K8).S0
D722	8-719-073-01	s	DIODE MA111-(K8).S0
D724	8-719-073-01	s	DIODE MA111-(K8).S0
D730	8-719-057-85	s	DIODE D2FS4-TA
D731	8-719-106-23	s	DIODE RD7.5M-B2
FB701	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
IC600	8-749-015-27	s	IC MZ1540
IC700	8-759-670-30	s	IC MCZ3001D
IC701	8-759-388-23	s	IC TL431BCDR2
IC724	8-759-533-85	s	IC L88M05T-FA-TL
IC725	8-759-066-55	s	IC TA75W393FU
IC730	8-759-485-63	s	IC MAX1626ESA-TE2
L601	⚠ 1-419-987-11	s	COIL, CHOKE 1290UH
L602	⚠ 1-456-173-11	s	COIL, CHOKE
L703	1-416-949-21	s	COIL, CHOKE (SMD)
L704	1-424-918-21	s	COIL, CHOKE (SMD) 10UH
PH700	⚠ 8-749-016-82	s	PHOTO COUPLER PC123GY2
PH701	⚠ 8-749-016-82	s	PHOTO COUPLER PC123GY2
PH702	⚠ 8-749-016-82	s	PHOTO COUPLER PC123GY2
Q600	8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
Q700	⚠ 8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q702	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q703	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q704	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q705	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q707	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q709	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q711	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q712	⚠ 8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q713	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q717	8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
Q718	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q720	8-729-230-49	s	TRANSISTOR 2SC2712-YG
R600	⚠ 1-219-363-11	s	RESISTOR, CEMENT 5.6/5W (FUSE)
R601	1-218-861-11	s	RESISTOR,CHIP 3.9K 1/10W(1608)
R602	1-220-269-11	s	RESISTOR, CHIP 330 1/2W (4532)
R603	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R604	1-220-269-11	s	RESISTOR, CHIP 330 1/2W (4532)
R606	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R607	1-219-738-11	s	RES, 0.08 (REGISTOR, METAL)
R700	1-249-389-11	s	RES,CARBON 4.7 1/4W
R701	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R703	1-218-873-11	s	RESISTOR,CHIP 12K 1/10W (1608)
R704	1-218-843-11	s	RESISTOR,CHIP 680 1/10W (1608)

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R705	1-216-836-11	s	RESISTOR, CHIP 18K 1/10W 1608
R706	1-218-877-11	s	RESISTOR,CHIP 18K 1/10W (1608)
R707	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R708	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R709	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R710	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R711	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R712	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R713	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R714	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R715	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R717	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R718	1-202-933-61	s	RESISTOR, FUSE 0.1 1/2W
R719	1-220-993-91	s	RESISTOR,CHIP 0.68 5025
R722	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R723	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R724	1-249-393-11	s	RES,CARBON 10 1/4W
R725	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R726	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R728	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R729	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R730	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R731	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R732	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R733	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R734	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R735	1-218-857-11	s	RESISTOR,CHIP 2.7K 1/10W(1608)
R736	1-218-861-11	s	RESISTOR,CHIP 3.9K 1/10W(1608)
R737	1-218-887-11	s	RESISTOR,CHIP 47K 1/10W (1608)
R738	1-218-855-11	s	RESISTOR,CHIP 2.2K 1/10W(1608)
R739	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R740	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R741	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R742	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R743	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R744	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R745	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R746	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R747	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R748	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R749	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R750	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R751	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R753	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R754	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R758	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R759	1-220-993-91	s	RESISTOR,CHIP 0.68 5025
R760	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R770	1-249-389-11	s	RES,CARBON 4.7 1/4W
R771	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R772	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R774	1-243-631-11	s	FIXED RESISTOR 30M
R775	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R776	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R777	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R778	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R780	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R799	1-249-393-11	s	RES,CARBON 10 1/4W

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RY600	⚠ 1-755-395-11	s	RELAY (AC POWER)
T700	⚠ 1-437-301-11	s	TRANSFORMER, CONVERTER (PIT)

HA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-579-A	s	MOUNTED CIRCUIT BOARD, HA
CN63	1-770-629-21	s	PIN, CONNECTOR 12P
CN64	1-770-625-21	s	PIN, CONNECTOR 8P
R64	1-218-963-11	s	RESISTOR,CHIP 6.8K 1/16W
R66	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R68	1-218-966-11	s	RESISTOR, CHIP 12K
R69	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R71	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R72	1-218-955-11	s	RESISTOR, CHIP 1.5K
R73	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R74	1-218-955-11	s	RESISTOR, CHIP 1.5K
R75	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1608)
R76	1-218-956-11	s	RESISTOR, CHIP 1.8K
R77	1-218-956-11	s	RESISTOR, CHIP 1.8K
S62	1-771-105-11	s	SWITCH, TACTILE
S63	1-771-105-11	s	SWITCH, TACTILE
S64	1-771-105-11	s	SWITCH, TACTILE
S66	1-771-105-11	s	SWITCH, TACTILE
S67	1-771-105-11	s	SWITCH, TACTILE
S68	1-771-105-11	s	SWITCH, TACTILE
S69	1-771-105-11	s	SWITCH, TACTILE
S70	1-771-105-11	s	SWITCH, TACTILE

HB BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-580-A	s	MOUNTED CIRCUIT BOARD, HB
C61	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN61	1-770-629-21	s	PIN, CONNECTOR 12P
CN62	1-770-629-21	s	PIN, CONNECTOR 12P
D61	8-719-914-44	s	DIODE DAP202K (DUAL)
D62	8-719-914-43	s	DIODE DAN202K
D63	8-719-914-44	s	DIODE DAP202K (DUAL)
D64	8-719-914-43	s	DIODE DAN202K
R61	1-218-970-11	s	RESISTOR CHIP 27K 1/16W (1005)
R62	1-218-966-11	s	RESISTOR, CHIP 12K
R63	1-218-963-11	s	RESISTOR,CHIP 6.8K 1/16W
R65	1-218-960-11	s	RESISTOR, CHIP 3.9K 1/16W
R67	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R70	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R86	1-218-959-11	s	RESISTOR, CHIP 3.3K
S61	1-786-409-11	s	SWITCH, TACTILE
S65	1-771-105-11	s	SWITCH, TACTILE

HC BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-578-A	s	MOUNTED CIRCUIT BOARD, HC
C81	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN81	1-770-625-21	s	PIN, CONNECTOR 8P
D81	8-719-045-61	s	DIODE SEC1901C
D82	8-719-045-61	s	DIODE SEC1901C
D83	8-719-045-51	s	DIODE SEC2422C
D84	8-719-045-53	s	DIODE SEC1801C
D85	8-719-914-44	s	DIODE DAP202K (DUAL)
D86	8-719-914-43	s	DIODE DAN202K
D87	8-719-914-44	s	DIODE DAP202K (DUAL)
D88	8-719-914-43	s	DIODE DAN202K
D89	8-719-914-44	s	DIODE DAP202K (DUAL)
D90	8-719-914-43	s	DIODE DAN202K
Q81	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q82	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q83	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q84	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q85	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R81	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R82	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R83	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R84	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R85	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

L BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-568-A	s	MOUNTED CIRCUIT BOARD, L
C31	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN31	1-770-619-11	o	PIN, CONNECTOR 2P
D31	6-500-318-01	s	DIODE NSCW100
R31	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

MD BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-767-A	s	MOUNTED CIRCUIT BOARD, MD
C801	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C802	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C803	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C805	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C806	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C807	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C808	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C809	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C810	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C811	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C812	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C813	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C814	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C815	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C816	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN801	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN802	1-564-706-11	o	PIN,CONNECTOR (4P)
D801	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D802	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D803	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D804	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D805	8-719-073-01	s	DIODE MA111-(K8).S0
D806	8-719-073-01	s	DIODE MA111-(K8).S0
IC801	6-802-370-01	s	IC ISPLSI2032VE-110LT44A-51GB
IC802	8-759-533-85	s	IC L88M05T-FA-TL
IC803	8-759-274-09	s	IC BA6286N
IC804	8-759-274-09	s	IC BA6286N
R801	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R802	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R803	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R804	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R805	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R806	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R807	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R808	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R809	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R810	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R811	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R812	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R813	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R814	1-216-353-00	s	RESISTOR,METAL FILM 2.2/1W
R815	1-216-353-00	s	RESISTOR,METAL FILM 2.2/1W

MS BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-769-A	s	MOUNTED CIRCUIT BOARD, MS
C1007	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1008	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1010	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1011	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1012	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1013	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1014	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C1015	1-164-935-11	s	CAPACITOR,CHIP CERAMIC 470PF
C1016	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1017	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1018	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1019	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1020	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1021	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1022	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1023	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1024	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1025	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1027	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1028	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C1029	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C1030	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C1031	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C1032	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C1037	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1039	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1040	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1041	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1042	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1043	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1044	1-164-941-11	s	CAPACITOR,CHIP CERAMIC 4700/16
C1045	1-164-941-11	s	CAPACITOR,CHIP CERAMIC 4700/16
C1302	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1304	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1305	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1306	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2001	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2002	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C2003	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2004	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C2005	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2006	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C2007	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2008	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2009	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2010	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2011	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2012	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2013	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2014	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2015	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2016	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2017	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2018	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2019	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2020	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2021	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(MS BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2022	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2023	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2024	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2025	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2026	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2027	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2028	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2029	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2030	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C2031	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3001	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C3002	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3003	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3004	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3005	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3006	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3007	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3008	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3009	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C3010	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3011	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3012	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3013	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3014	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3015	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3016	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3017	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C3018	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3019	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3020	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3021	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3022	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C3023	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C3024	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN1001	1-785-613-11	o	CONNECTOR, FFC/FPC 50P
CN1304	1-815-368-13	o	CONNECTOR, CARD (MEMORY STICK)
CN2001	1-770-627-21	s	PIN, CONNECTOR 10P
D1001	8-719-045-61	s	DIODE SEC1901C
D1301	8-719-045-61	s	DIODE SEC1901C
D1302	8-719-059-53	s	DIODE MA3J14700LSO
D1303	8-719-059-53	s	DIODE MA3J14700LSO
D1304	8-719-059-53	s	DIODE MA3J14700LSO
D1305	8-719-059-53	s	DIODE MA3J14700LSO
FB1001	1-400-150-11	s	FERRITE, EMI (SMD)
FB1003	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1004	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1005	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1006	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1007	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1008	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1009	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1013	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1014	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1015	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1016	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1017	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2001	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2002	1-469-670-11	o	FERRITE, EMI (SMD)

(MS BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB2003	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB3001	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB3002	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB3003	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC1002	6-700-953-01	s	IC LM1117MPX-1.8
IC1004	8-759-331-27	s	IC MM1096AFF
IC1005	6-702-607-01	s	IC MB93491
IC1006	8-759-661-55	s	IC ST24FC21M6TR
IC1007	8-759-665-50	s	IC AK4352VT-E2
IC1009	8-759-549-14	s	IC SN74LV244APWR
IC1012	8-759-082-60	s	IC TC7S66FU
IC1013	8-759-082-60	s	IC TC7S66FU
IC1014	8-759-575-16	s	IC LMC7101BIM5X
IC1015	8-759-575-16	s	IC LMC7101BIM5X
IC3001	6-702-511-11	s	IC MT48LC8M16A2TG-75-Y95WT
IC3002	6-702-511-11	s	IC MT48LC8M16A2TG-75-Y95WT
IC3003	6-703-309-01	s	IC MBM29LV160BE-90TN-SX1745
IC3004	6-702-812-11	s	IC CY27027ZZCT
L1001	1-414-770-91	s	INDUCTOR 4.7UH
L3001	1-469-058-11	s	INDUCTOR 22UH
Q1001	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1002	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1004	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1007	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1301	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1302	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1303	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q2001	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
R1005	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1006	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1007	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1008	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)
R1009	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1010	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1011	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1012	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1013	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1014	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R1015	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1016	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R1017	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1018	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1019	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1020	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1021	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1023	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1031	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1032	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1033	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1034	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1035	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1036	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1041	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1045	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1047	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1048	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1049	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1056	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)

(MS BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1062	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1064	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1065	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1067	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1068	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1070	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1071	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1075	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1076	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1081	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1082	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1083	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1084	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1085	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1086	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1087	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R1088	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R1090	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1201	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1301	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1302	1-218-937-11	s	RESISTOR, CHIP 47
R1303	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R1305	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1306	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1311	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R2001	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2002	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2003	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2004	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2005	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2006	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2007	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2008	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2009	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2010	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2011	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2012	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2013	1-218-937-11	s	RESISTOR, CHIP 47
R2014	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2015	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2016	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R2017	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R2018	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2019	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2020	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2021	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2022	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2023	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R2025	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2026	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2027	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R3001	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R3002	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R3003	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3004	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3005	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3006	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3007	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3008	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)

(MS BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R3009	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3010	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R3011	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R3012	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
RB1001	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1002	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1003	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1004	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1005	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1006	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1007	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1008	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1009	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1010	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1011	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1012	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1013	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1014	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1015	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1016	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1017	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1018	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1019	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1020	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1021	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1022	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1023	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB1024	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB2001	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2002	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2003	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2004	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2005	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2006	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2007	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2008	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB2009	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB3001	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3002	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3003	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3004	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3005	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3006	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3007	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3008	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3009	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3010	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3011	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3012	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3013	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3014	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3015	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3016	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3017	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3018	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3019	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB3020	1-234-371-11	s	RES, NETWORK 47X4 (1005)
TP1001	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

(MS BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
TP1003	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1004	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1005	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1006	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1007	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1008	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1009	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1010	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP3001	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X3001	1-795-690-21	s	OSCILLATOR, CRYSTAL

NF BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-570-A	s	MOUNTED CIRCUIT BOARD, NF
C11	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
CN11	1-770-620-21	s	PIN, CONNECTOR 3P
IC11	8-749-012-17	s	IC RS-140-T
R11	1-218-937-11	s	RESISTOR, CHIP 47
R12	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)

NR BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-571-A	s	MOUNTED CIRCUIT BOARD, NR
C21	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C22	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN21	1-770-621-21	s	PIN, CONNECTOR 4P
IC21	8-749-012-17	s	IC RS-140-T
R21	1-218-937-11	s	RESISTOR, CHIP 47
R22	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
TH21	1-803-382-21	s	THERMISTOR (1005)

QA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-768-A	s	MOUNTED CIRCUIT BOARD, QA
C901	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C902	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C903	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C904	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C905	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C906	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C907	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C908	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C909	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN901	1-815-914-11	s	CONNECTOR, SQUARE TYPE (32P)
CN902	1-793-798-21	o	CONNECTOR, BOARD TO BOARD
D902	8-719-083-58	s	DIODE UDZSTE-173.9B
D903	8-719-083-58	s	DIODE UDZSTE-173.9B
D904	8-719-073-11	s	DIODE BZA456A
D905	8-719-073-11	s	DIODE BZA456A
D906	8-719-988-61	s	DIODE 1SS355TE-17
D907	8-719-073-01	s	DIODE MA111-(K8).S0
D908	8-719-073-01	s	DIODE MA111-(K8).S0
D909	8-719-036-80	s	DIODE RD3.9SB
D910	8-719-036-80	s	DIODE RD3.9SB
FB901	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB902	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB903	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB904	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB905	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB906	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC901	----------		IC ST24FC21M6TR
	Note If this IC has failed, replace the whole QA board.		
IC902	6-701-707-01	s	IC ST72T631K4M1-201
IC903	8-759-596-39	s	IC SN74LV4052APWR
J901	1-794-962-11	s	CONNECTOR, SQUARE TYPE 5P
Q901	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q903	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R901	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R902	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R903	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R904	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R905	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R906	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R907	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R908	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R909	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R910	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R911	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R912	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R913	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R914	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R915	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R916	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R917	1-216-857-11	s	RESISTOR,CHIP 1M 1/10W(1608)
R918	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R919	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R920	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R921	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R922	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R923	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R924	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R925	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R926	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R928	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R929	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R930	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R931	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R932	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R933	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R934	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R935	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R936	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R937	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R938	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R939	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
RB901	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
X901	1-781-994-21	s	VIBRATOR, CRYSTAL

QB BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1300-773-A	s	MOUNTED CIRCUIT BOARD, QB
C202	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C203	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C205	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C206	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C207	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C208	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C209	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C210	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C211	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C212	1-128-390-11	s	CAPACITOR ELECT 220MF/6.3V
C213	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C214	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C215	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C216	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C217	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C218	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C219	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C220	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C221	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C224	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C225	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C235	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C236	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C237	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN101	1-785-946-11	s	CONNECTOR 3P
CN102	1-793-798-21	o	CONNECTOR, BOARD TO BOARD
CN103	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN201	1-816-228-11	s	CONNECTOR, DIV
D101	8-719-036-80	s	DIODE RD3.9SB
D102	8-719-036-80	s	DIODE RD3.9SB
D201	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D202	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D204	8-719-024-78	s	DIODE HN1D03FU-TE85R
D205	8-719-024-78	s	DIODE HN1D03FU-TE85R
D206	8-719-024-78	s	DIODE HN1D03FU-TE85R
D207	8-719-024-78	s	DIODE HN1D03FU-TE85R
D208	8-719-941-86	s	DIODE DAN202U
FB101	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB102	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB203	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB204	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB206	1-414-445-11	s	FERRITE, EMI (SMD)
FB207	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC205	----------		IC SII169CT100
	Note If this IC has failed, replace the whole QB board.		
IC206	8-759-593-23	s	IC S-80928ANMP-DDR-T2
IC211	----------		IC M24C02-WMN6T(A)
	Note If this IC has failed, replace the whole QB board.		
IC212	8-759-596-39	s	IC SN74LV4052APWR
J101	1-816-949-11	o	PIN JACK 3P
J102	1-694-242-11	s	TERMINAL, S
J103	1-785-549-41	o	JACK, PIN YELLOW
L201	1-414-754-11	s	INDUCTOR 10.0UH
L202	1-414-754-11	s	INDUCTOR 10.0UH
Q203	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)

(QB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R101	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R102	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R103	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R104	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R105	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R106	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R201	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R209	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R210	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R217	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R222	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R224	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R229	1-216-801-11	s	RESISTOR,CHIP 22 1/10W (1608)
R230	1-216-801-11	s	RESISTOR,CHIP 22 1/10W (1608)
R231	1-216-801-11	s	RESISTOR,CHIP 22 1/10W (1608)
R232	1-216-801-11	s	RESISTOR,CHIP 22 1/10W (1608)
R233	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R234	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R235	1-218-682-11	s	RESISTOR,CHIP 390 1/16W (1608)
R236	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R237	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R240	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R241	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R245	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R246	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R250	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R252	1-216-864-11	s	CONDUCTOR, CHIP (1608)
RB202	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB203	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB204	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB205	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB206	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB207	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB208	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB209	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB210	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB211	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB212	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB213	1-234-371-11	s	RES, NETWORK 47X4 (1005)
TP201	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP202	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP203	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP204	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP205	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

U BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1401-572-A	s	MOUNTED CIRCUIT BOARD, U
CN41	1-770-620-21	s	PIN, CONNECTOR 3P
S41	⚠ 1-762-984-11	s	SWITCH, PUSH
S42	⚠ 1-762-984-11	s	SWITCH, PUSH

4-4. Packing Materials & Supplied Accessories

```
--------------------------------------
PACKING MATERIALS & SUPPLIED ACCESSORIES
--------------------------------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      1-477-604-11 s REMOTE COMMANDER (RM-PJHS10)
 1pc      9-885-028-15 s BATTERY COVER (FOR RM-PJHS10)
 1pc    ⚠ ------------   CORD,POWER
                (See Sec.1-5. Warning on Power Connection)
 1pc      1-824-821-11 s CORD WITH CONNECTOR(AVMONITOR)
 1pc      3-704-353-01 s SHEET (STANDARD), PROTECTION

 1pc      4-091-754-01 o OPERATING INSTRUCTIONS
                         (JAPANESE,SIMPLIFIED CHINESE)
 1pc      4-091-754-11 o OPERATING INSTRUCTIONS
                         (ENGLISH,FRENCH,SPANISH)
 1pc      4-091-754-21 o OPERATING INSTRUCTIONS
                         (GERMAN,ITALIAN)
```

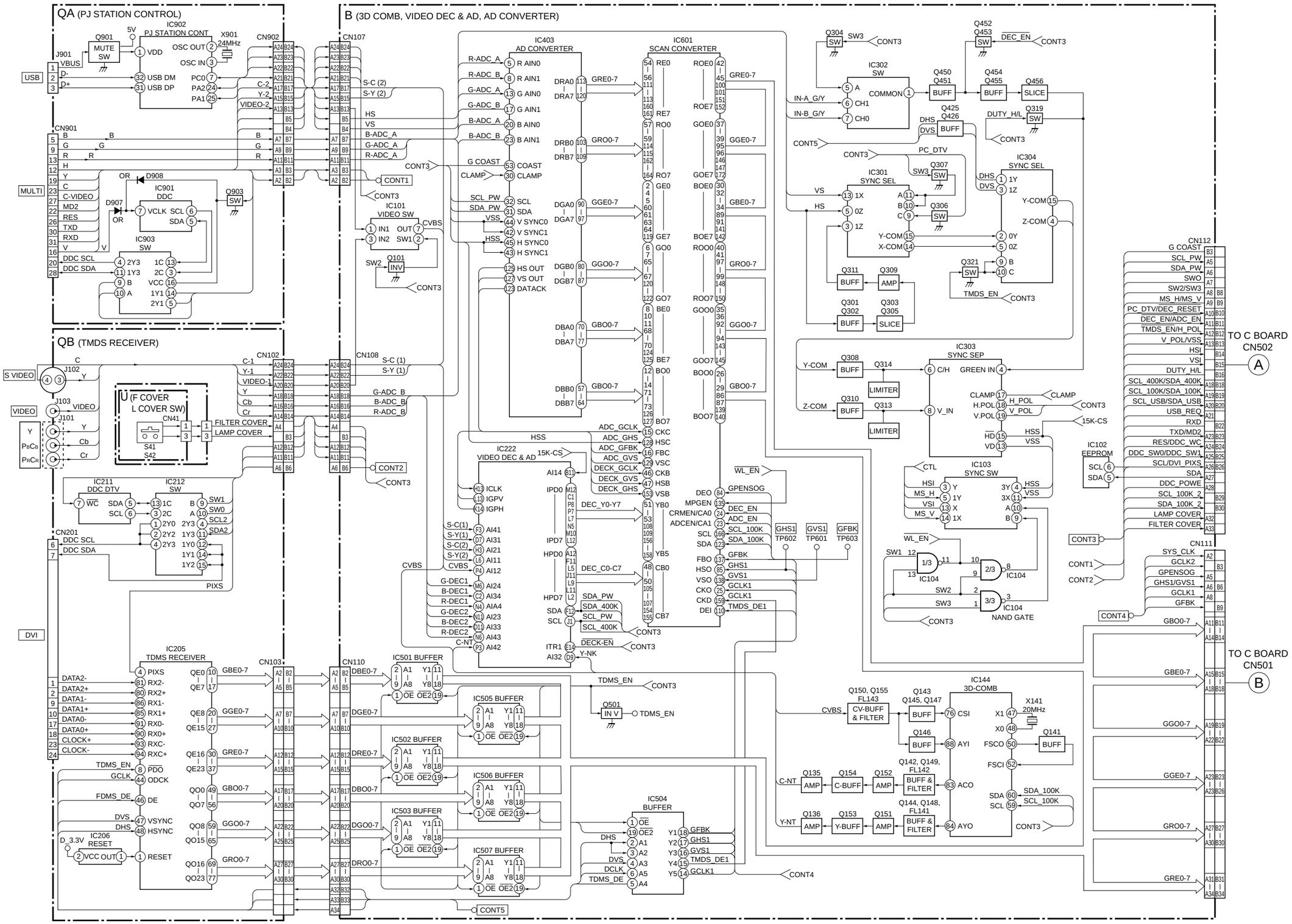
4-5. VPLL-CT10

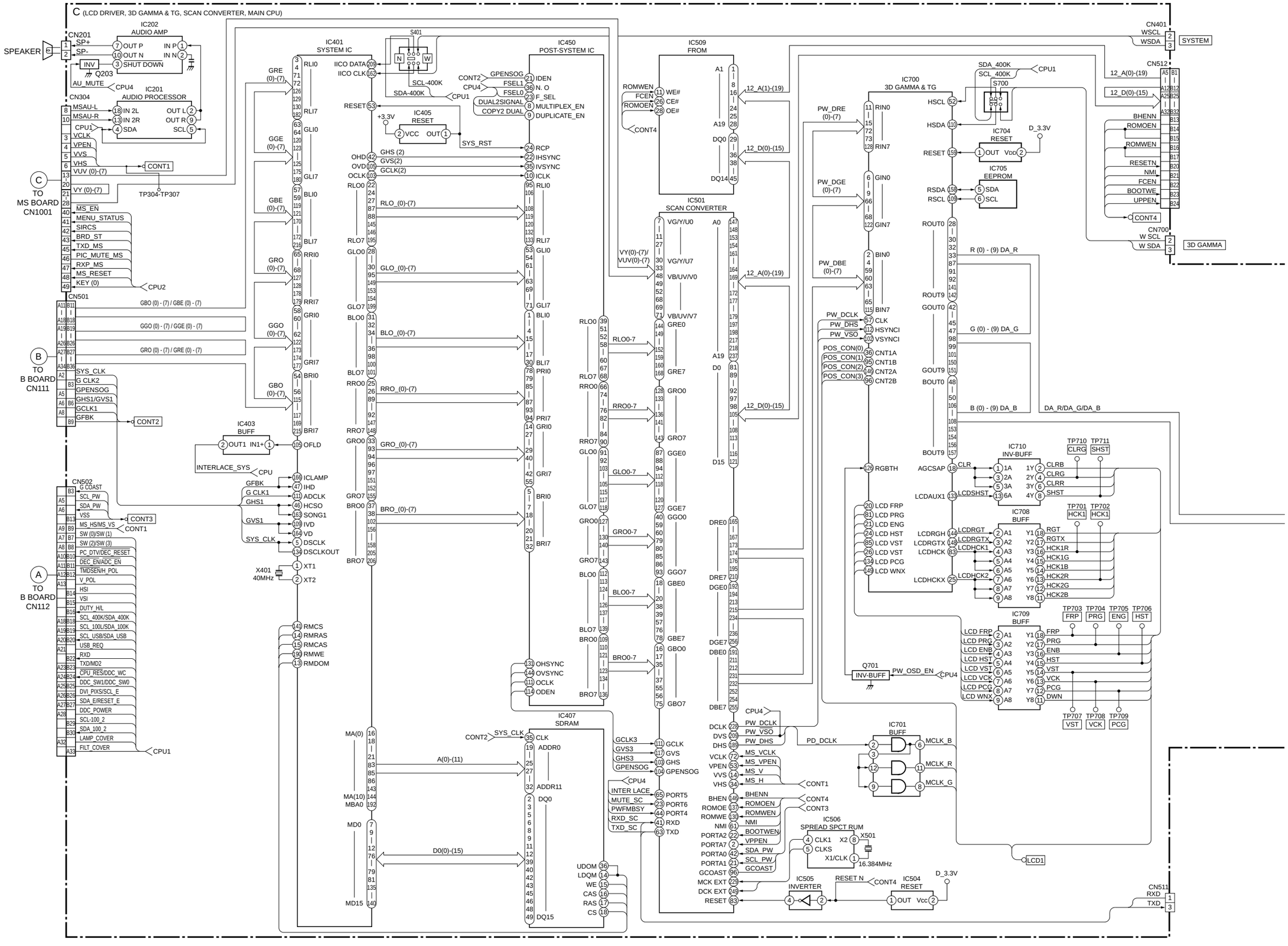
```
--------------------------------------
PACKING MATERIALS & SUPPLIED ACCESSORIES
--------------------------------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      4-084-808-01 o MANUAL, INSTRUCTION
                         (JAPANESE,SIMPLIFIED CHINESE,
                  EGLISH,FRENCH,SPANISH,GERMAN,ITALIAN)
 1pc      4-085-233-01 o CAP (CT), LENS
 1pc      7-682-973-09 s SCREW +PSW 5X8
```

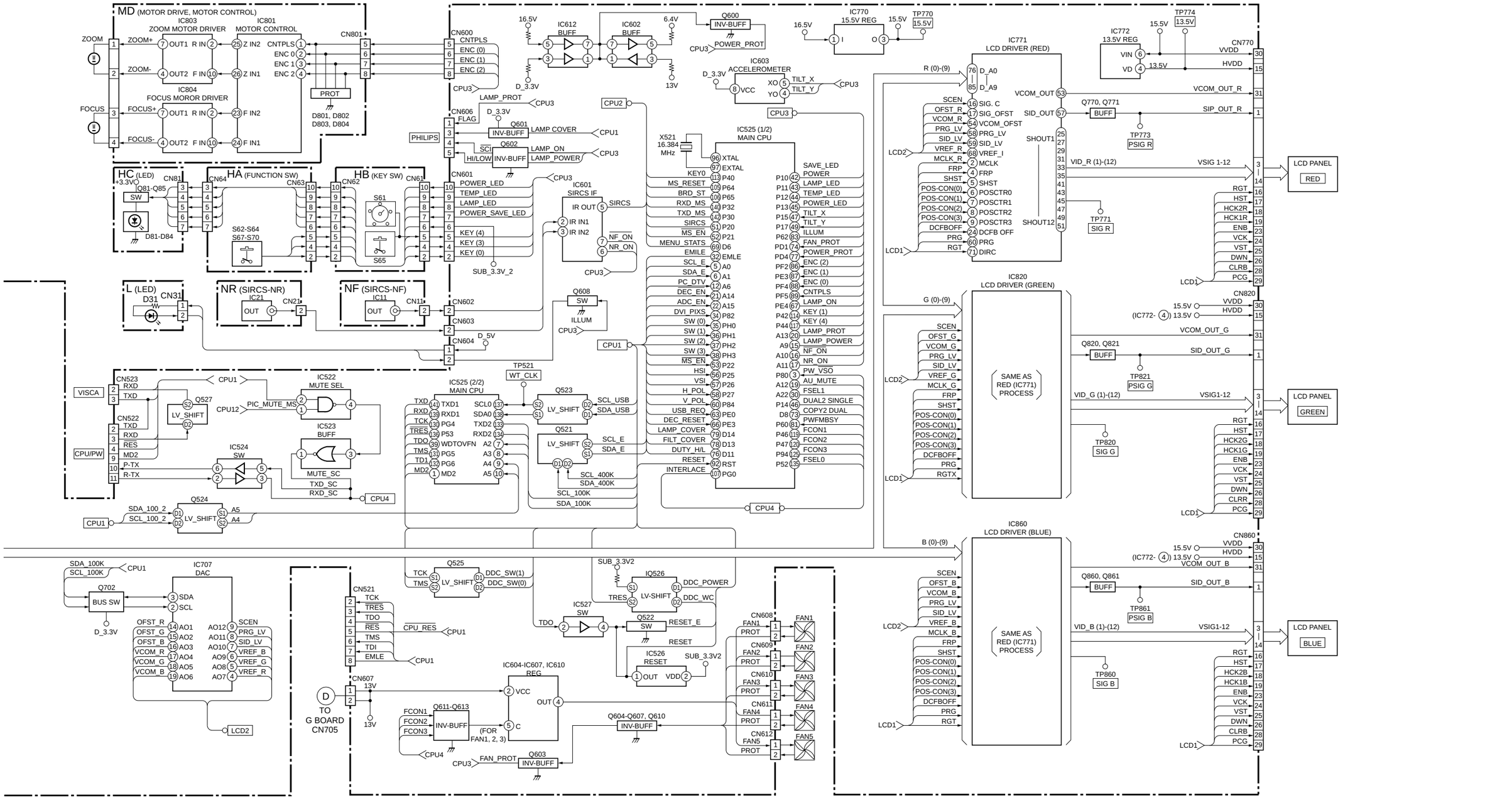
4-6. VPLL-CW10

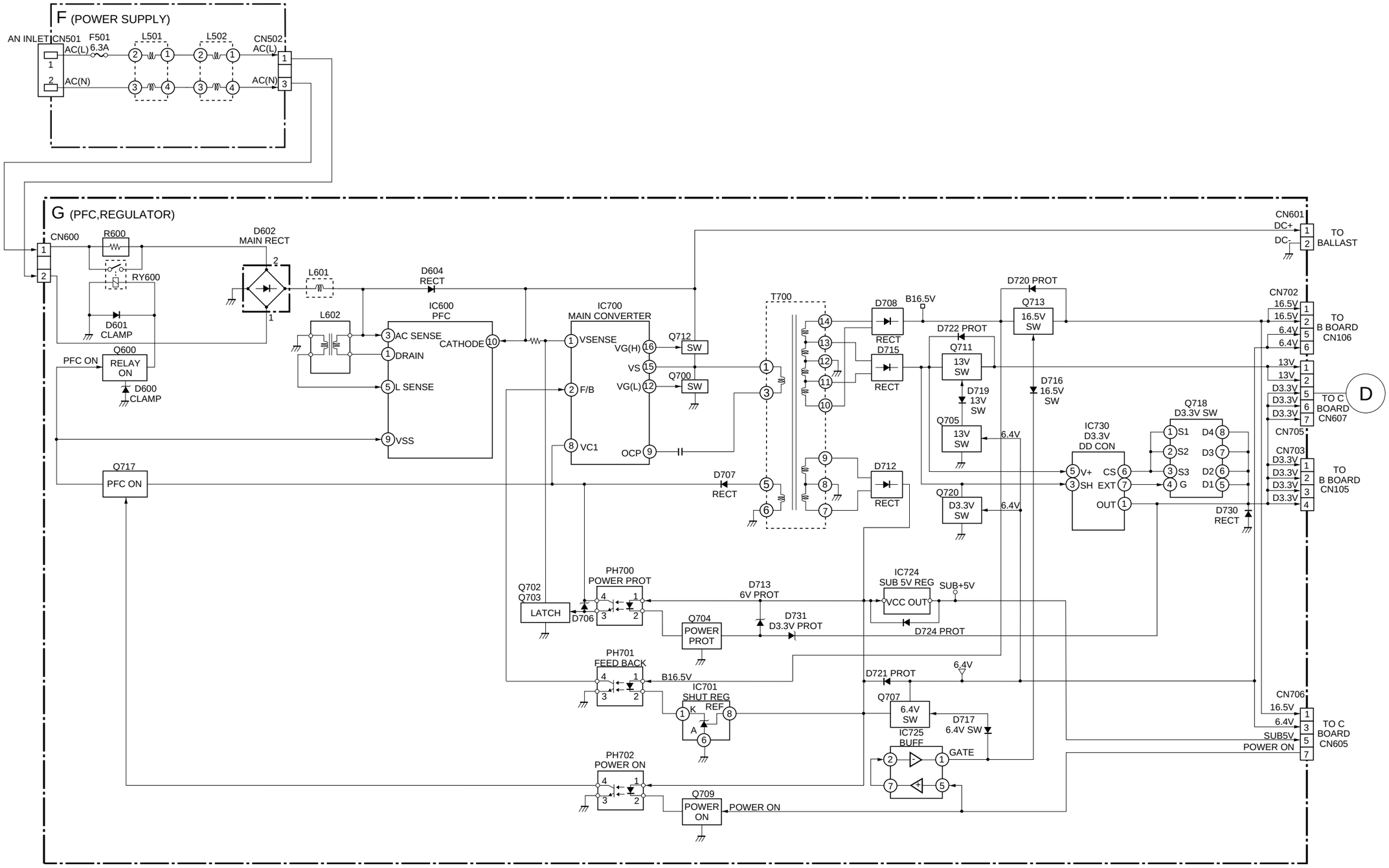
```
--------------------------------------
PACKING MATERIALS & SUPPLIED ACCESSORIES
--------------------------------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      4-084-806-01 o MANUAL, INSTRUCTION
                         (JAPANESE,SIMPLIFIED CHINESE,
                  EGLISH,FRENCH,SPANISH,GERMAN,ITALIAN)
 1pc      4-085-232-01 o CAP (CW), LENS
 1pc      7-682-973-09 s SCREW +PSW 5X8
```

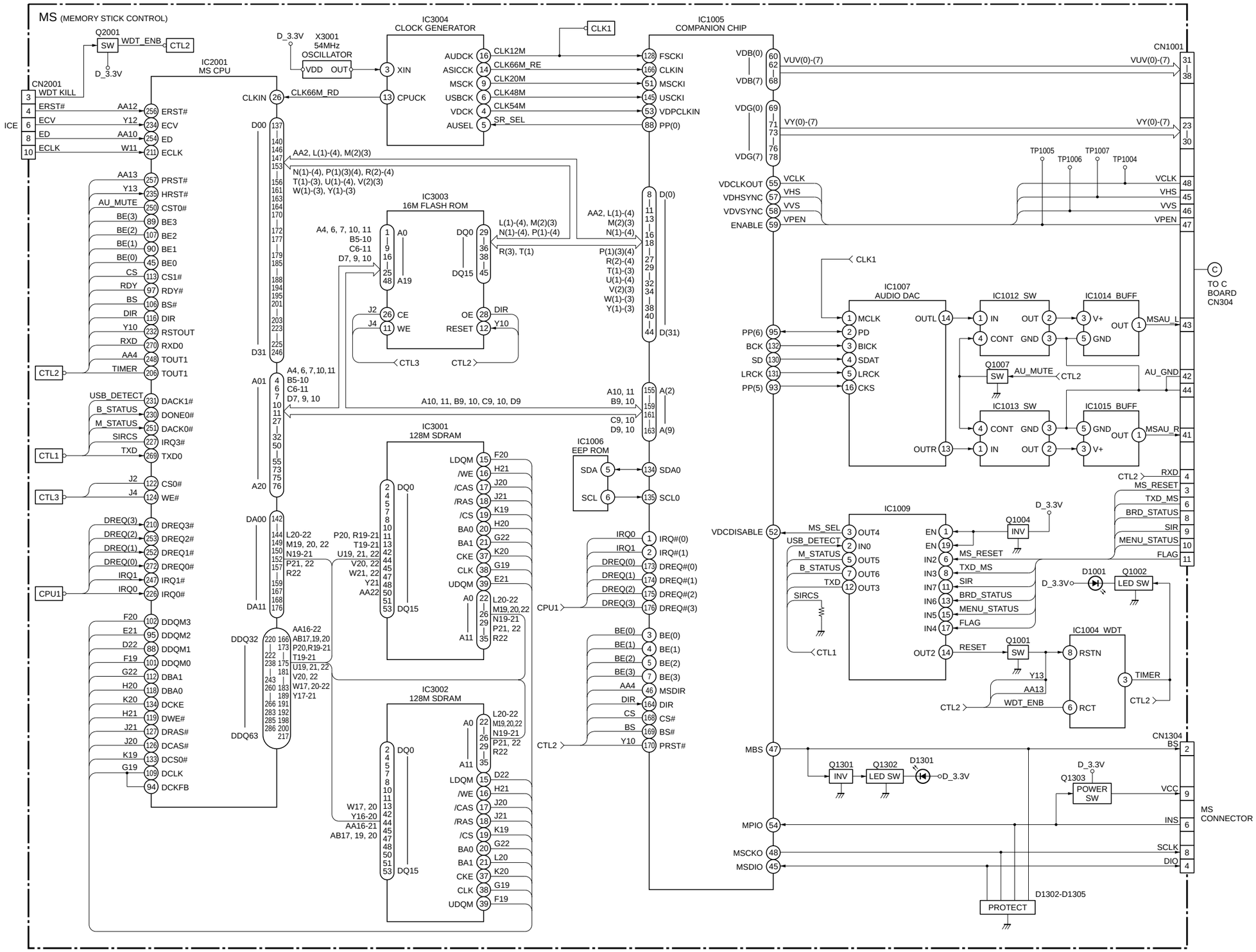
Section 5
Block Diagrams




C (LCD DRIVER, 3D GAMMA & TG, SCAN CONVERTER, MAIN CPU)
IC202 AUDIO AMP
IC201 AUDIO PROCESSOR
IC401 SYSTEM IC
IC450 POST-SYSTEM IC
IC405 RESET
IC509 FROM
IC501 SCAN CONVERTER
IC700 3D GAMMA & TG
IC704 RESET
IC705 EEPROM
IC403 BUFF
IC407 SDRAM
IC701 BUFF
IC506 SPREAD SPCT RUM
IC710 INV-BUFF
IC708 BUFF
IC709 BUFF
IC505 INVERTER
IC504 RESET
SPEAKER
CN201
CN304
CN501
CN502
CN401
CN512
CN700
CN511
S401
S700
Q203
Q701
X401 40MHz
X501 16.384MHz
TO MS BOARD CN1001
TO B BOARD CN111
TO B BOARD CN112
SYSTEM
3D GAMMA
TP304-TP307
TP710 CLRG
TP711 SHST
TP701 HCK1
TP702 HCK1
TP703 FRP
TP704 PRG
TP705 ENG
TP706 HST
TP707 VST
TP708 VCK
TP709 PCG
R (0) - (9) DA_R
G (0) - (9) DA_G
B (0) - (9) DA_B
DA_R/DA_G/DA_B
LCD1


MD (MOTOR DRIVE, MOTOR CONTROL)
IC803 ZOOM MOTOR DRIVER
IC801 MOTOR CONTROL
IC804 FOCUS MORROR DRIVER
ZOOM
FOCUS
ZOOM+
ZOOM-
FOCUS+
FOCUS-
OUT1 R IN
OUT2 F IN
Z IN2
Z IN1
F IN2
F IN1
CNTPLS
ENC 0
ENC 1
ENC 2
CN801
PROT
D801, D802
D803, D804
CN600
ENC (0)
ENC (1)
ENC (2)
CPU3
PHILIPS
LAMP_PROT
CN606
FLAG
D_3.3V
Q601
INV-BUFF
LAMP COVER
CPU1
Q602
SCI
HI/LOW
LAMP_ON
LAMP_POWER
CN601
POWER_LED
TEMP_LED
LAMP_LED
POWER_SAVE_LED
KEY (4)
KEY (3)
KEY (0)
SUB_3.3V_2
HC (LED)
+3.3V
Q81-Q85
SW
D81-D84
CN81
HA (FUNCTION SW)
CN64
CN63
S62-S64
S67-S70
HB (KEY SW)
CN62
CN61
S61
S65
L (LED)
D31
CN31
NR (SIRCS-NR)
IC21
OUT
CN21
NF (SIRCS-NF)
IC11
CN11
CN602
CN603
CN604
D_5V
IC601
SIRCS IF
IR OUT
IR IN1
IR IN2
SIRCS
NF_ON
NR_ON
Q608
SW
ILLUM
TP521
WT_CLK
IC525 (2/2)
MAIN CPU
TXD
RXD
TCK
TRES
TDO
TMS
TDI
MD2
TXD1
RXD1
PG4
P53
WDTOVFN
PG5
PG6
MD2
SCL0
SDA0
TXD2
RXD2
A2
A3
A4
A5
Q523
LV_SHIFT
SCL_USB
SDA_USB
Q521
SCL_E
SDA_E
SCL_400K
SDA_400K
SCL_100K
SDA_100K
CPU2
CPU1
X521
16.384 MHz
IC525 (1/2)
MAIN CPU
XTAL
EXTAL
KEY0
MS_RESET
BRD_ST
RXD_MS
TXD_MS
SIRCS
MS_EN
MENU_STATS
EMILE
SCL_E
SDA_E
PC_DTV
DEC_EN
ADC_EN
DVI_PIXS
SW (0)
SW (1)
SW (2)
SW (3)
MS_EN
HSI
VSI
H_POL
V_POL
USB_REQ
DEC_RESET
LAMP_COVER
FILT_COVER
DUTY_H/L
RESET
INTERLACE
P10 SAVE_LED POWER
P11 LAMP_LED
P12 TEMP_LED
P13 POWER_LED
P15 TILT_X
P17 TILT_Y
P62 ILLUM
PD1 FAN_PROT
PD4 POWER_PROT
PF2 ENC (2)
PE3 ENC (1)
PF4 ENC (0)
PF5 CNTPLS
PE4 LAMP_ON
P42 KEY (1)
P44 KEY (4)
A13 LAMP_PROT
A9 LAMP_POWER
A10 NF_ON
A11 NR_ON
P80 PW_VSO
A12 AU_MUTE
P22 FSEL1
P14 DUAL2 SINGLE
D8 COPY2 DUAL
P60 PWFMBSY
P46 FCON1
P47 FCON2
P94 FCON3
P52 FSEL0
CPU4
Q600
INV-BUFF
POWER_PROT
IC612 BUFF
IC602 BUFF
16.5V
6.4V
13V
D_3.3V
IC603
ACCELEROMETER
TILT_X
TILT_Y
IC770
15.5V REG
TP770
15.5V
IC771
LCD DRIVER (RED)
R (0)-(9)
D_A0
D_A9
SCEN
OFST_R
VCOM_R
PRG_LV
SID_LV
VREF_R
MCLK_R
FRP
SHST
POS-CON(0)
POS-CON(1)
POS-CON(2)
POS-CON(3)
DCFBOFF
PRG
RGT
DIRC
LCD2
LCD1
SIG. C
SIG_OFST
VCOM_OFST
PRG_LV
SID_LV
VREF_I
MCLK
FRP
SHST
POSCTR0
POSCTR1
POSCTR2
POSCTR3
DCFB OFF
PRG
DIRC
VCOM_OUT
SID_OUT
SHOUT1
SHOUT12
TP771
SIG R
IC772
13.5V REG
TP774
15.5V
CN770
VVDD
HVDD
VIN
VD
VCOM_OUT_R
SIP_OUT_R
Q770, Q771
BUFF
TP773
PSIG R
VID_R (1)-(12)
VSIG 1-12
LCD PANEL
RED
RGT
HST
HCK2R
HCK1R
ENB
VCK
VST
DWN
CLRB
PCG
IC820
LCD DRIVER (GREEN)
G (0)-(9)
SAME AS
RED (IC771)
PROCESS
CN820
VCOM_OUT_G
SID_OUT_G
Q820, Q821
TP821
PSIG G
VID_G (1)-(12)
VSIG1-12
TP820
SIG G
HCK2G
HCK1G
IC860
LCD DRIVER (BLUE)
B (0)-(9)
CN860
VCOM_OUT_B
SID_OUT_B
Q860, Q861
TP861
PSIG B
VID_B (1)-(12)
VSIG1-12
TP860
SIG B
HCK2B
HCK1B
VISCA
CPU/PW
CN523
CN522
RXD
TXD
RES
MD2
P-TX
R-TX
Q527
LV_SHIFT
IC522
MUTE SEL
PIC_MUTE_MS
CPU12
IC523
BUFF
MUTE_SC
TXD_SC
RXD_SC
IC524
SW
Q524
SDA_100_2
SCL_100_2
A5
A4
IC707
DAC
Q702
BUS SW
SDA
SCL
AO1
AO2
AO3
AO4
AO5
AO6
AO7
AO8
AO9
AO10
AO11
AO12
SCEN
PRG_LV
SID_LV
VREF_B
VREF_G
VREF_R
CN521
CPU_RES
EMLE
CN607
13V
D
TO
G BOARD
CN705
Q525
DDC_SW(1)
DDC_SW(0)
IC527
SW
SUB_3.3V2
IQ526
DDC_POWER
DDC_WC
LV-SHIFT
Q522
RESET_E
RESET
IC526
RESET
IC604-IC607, IC610
REG
VCC
OUT
FCON1
FCON2
FCON3
Q611-Q613
INV-BUFF
(FOR
FAN1, 2, 3)
Q604-Q607, Q610
Q603
FAN_PROT
CN608
CN609
CN610
CN611
CN612
FAN1
FAN2
FAN3
FAN4
FAN5
PROT

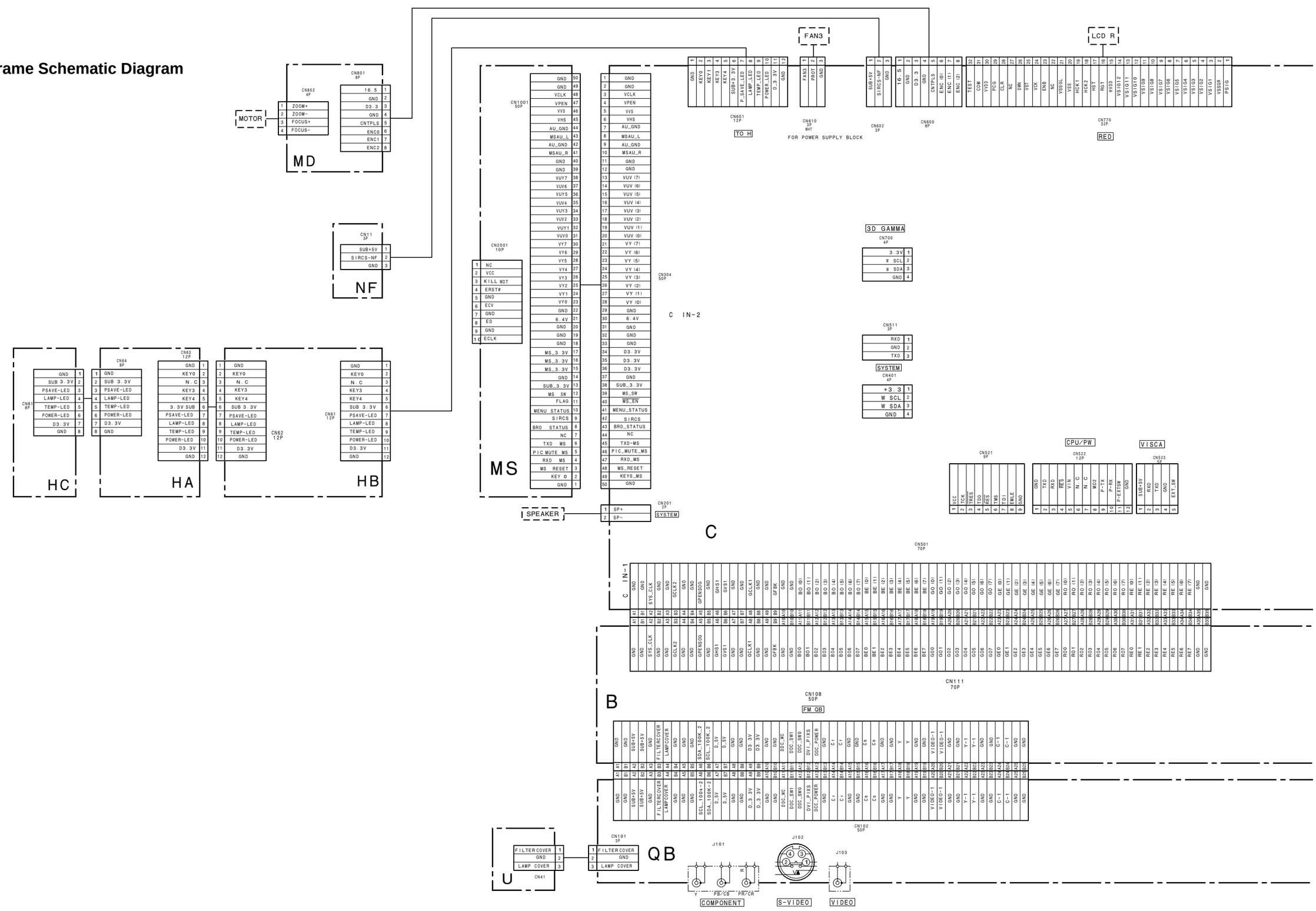

F (POWER SUPPLY)
AN INLET
CN501
AC(L)
AC(N)
F501
6.3A
L501
L502
CN502
AC(L)
AC(N)
G (PFC,REGULATOR)
CN600
R600
RY600
D601
CLAMP
Q600
PFC ON
RELAY
ON
D600
CLAMP
D602
MAIN RECT
L601
L602
D604
RECT
IC600
PFC
AC SENSE
DRAIN
L SENSE
VSS
CATHODE
IC700
MAIN CONVERTER
VSENSE
F/B
VC1
OCP
VG(H)
VS
VG(L)
Q712
Q700
SW
T700
D708
RECT
D715
RECT
B16.5V
D720 PROT
Q713
16.5V
SW
D722 PROT
Q711
13V
SW
D719
13V
SW
D716
16.5V
SW
Q705
13V
SW
6.4V
Q720
D3.3V
SW
6.4V
IC730
D3.3V
DD CON
V+
SH
CS
EXT
OUT
Q718
D3.3V SW
S1
S2
S3
G
D4
D3
D2
D1
D730
RECT
CN601
DC+
DC-
TO
BALLAST
CN702
16.5V
16.5V
6.4V
6.4V
TO
B BOARD
CN106
13V
13V
D3.3V
D3.3V
D3.3V
TO C
BOARD
CN607
D
CN705
CN703
D3.3V
D3.3V
D3.3V
D3.3V
TO
B BOARD
CN105
Q717
PFC ON
D707
RECT
D712
RECT
PH700
POWER PROT
Q702
Q703
LATCH
D706
Q704
POWER
PROT
D713
6V PROT
D731
D3.3V PROT
IC724
SUB 5V REG
VCC OUT
SUB+5V
D724 PROT
PH701
FEED BACK
B16.5V
IC701
SHUT REG
REF
K
A
D721 PROT
6.4V
Q707
6.4V
SW
D717
6.4V SW
IC725
BUFF
GATE
PH702
POWER ON
Q709
POWER
ON
POWER ON
CN706
16.5V
6.4V
SUB5V
POWER ON
TO C
BOARD
CN605

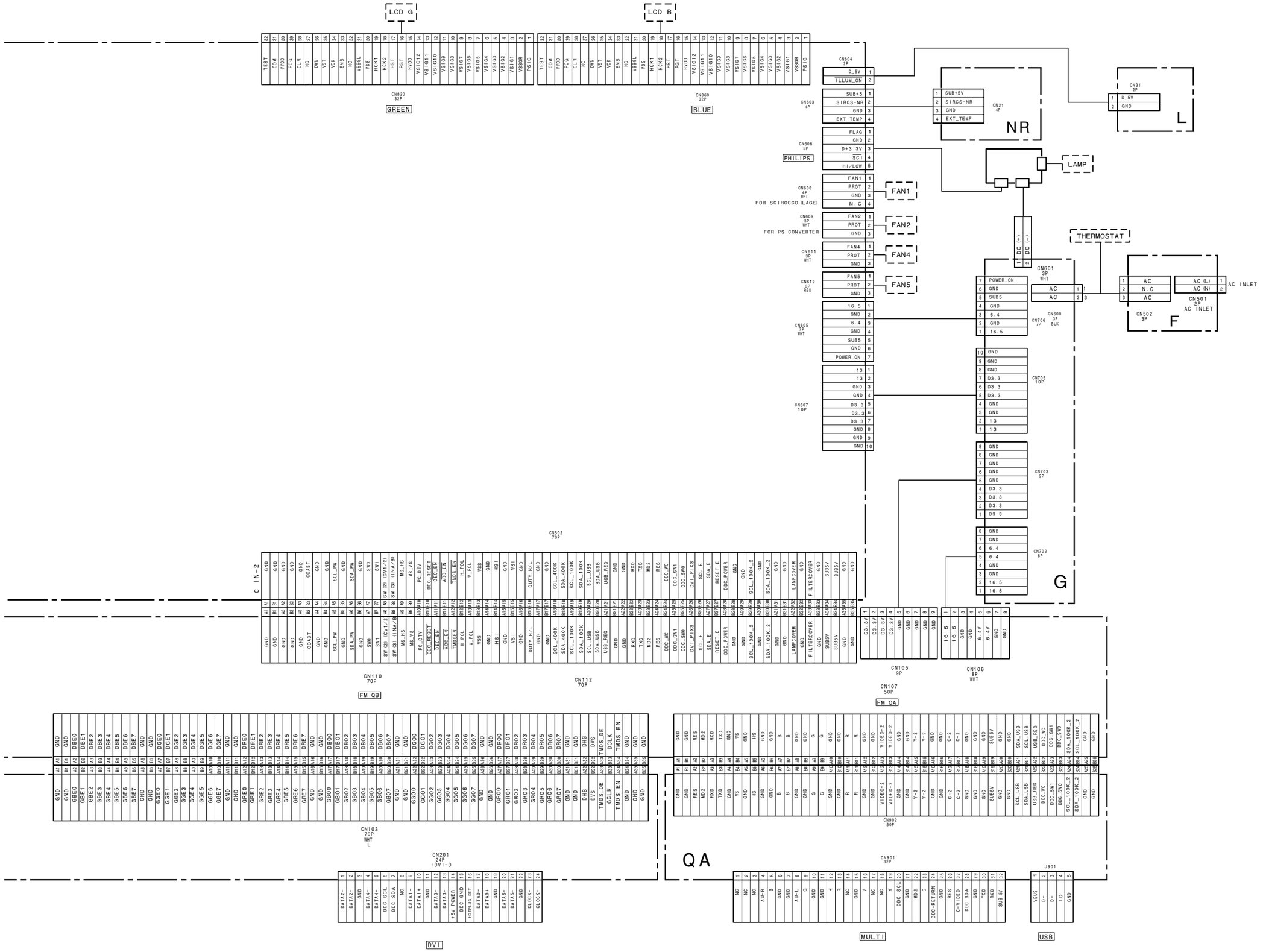

MS (MEMORY STICK CONTROL)
Q2001
SW
WDT_ENB
CTL2
D_3.3V
IC2001
MS CPU
CN2001
WDT KILL
ERST#
ECV
ED
ECLK
ICE
PRST#
HRST#
CST0#
BE3
BE2
BE1
BE0
CS1#
RDY#
BS#
DIR
RSTOUT
RXD0
TOUT1
TIMER
DACK1#
DONE0#
DACK0#
IRQ3#
TXD0
CS0#
WE#
DREQ3#
DREQ2#
DREQ1#
DREQ0#
IRQ1#
IRQ0#
CPU1
DDQM3
DDQM2
DDQM1
DDQM0
DBA1
DBA0
DCKE
DWE#
DRAS#
DCAS#
DCS0#
DCLK
DCKFB
CTL1
CTL3
D_3.3V
X3001
54MHz
OSCILLATOR
VDD OUT
XIN
CPUCK
CLKIN
CLK66M_RD
IC3004
CLOCK GENERATOR
AUDCK
ASICCK
MSCK
USBCK
VDCK
AUSEL
CLK12M
CLK66M_RE
CLK20M
CLK48M
CLK54M
SR_SEL
CLK1
IC1005
COMPANION CHIP
FSCKI
CLKIN
MSCKI
USCKI
VDPCLKIN
PP(0)
VDB(0)
VDB(7)
VDG(0)
VDG(7)
VUV(0)-(7)
VY(0)-(7)
VDCLKOUT
VDHSYNC
VDVSYNC
ENABLE
VCLK
VHS
VVS
VPEN
CN1001
TP1005
TP1006
TP1007
TP1004
C
TO C
BOARD
CN304
D00
D31
A01
A20
DA00
DA11
DDQ32
DDQ63
AA2, L(1)-(4), M(2)(3)
N(1)-(4), P(1)(3)(4), R(2)-(4)
T(1)-(3), U(1)-(4), V(2)(3)
W(1)-(3), Y(1)-(3)
IC3003
16M FLASH ROM
A4, 6, 7, 10, 11
B5-10
C6-11
D7, 9, 10
A0
A19
DQ0
DQ15
L(1)-(4), M(2)(3)
N(1)-(4), P(1)-(4)
R(3), T(1)
J2
J4
CE
WE
OE
RESET
DIR
Y10
D(0)
D(31)
A10, 11, B9, 10, C9, 10, D9
A(2)
A(9)
IC3001
128M SDRAM
IC3002
128M SDRAM
LDQM
/WE
/CAS
/RAS
/CS
BA0
BA1
CKE
CLK
UDQM
F20
H21
J20
J21
K19
H20
G22
K20
G19
E21
L20
L22-22
M19, 20, 22
N19-21
P21, 22
R22
P20, R19-21
T19-21
U19, 21, 22
V20, 22
W21, 22
Y21
AA22
AA16-22
AB17,19,20
P20,R19-21
T19-21
U19, 21, 22
V20, 22
W17, 20-22
Y17-21
W17, 20
Y16-20
AA16-21
AB17, 19, 20
L20-22
M19,20,22
N19-21
P21, 22
R22
D22
IC1006
EEP ROM
SDA
SCL
SDA0
SCL0
IRQ0
IRQ1
DREQ(0)
DREQ(1)
DREQ(2)
DREQ(3)
IRQ#(0)
IRQ#(1)
DREQ#(0)
DREQ#(1)
DREQ#(2)
DREQ#(3)
BE(0)
BE(1)
BE(2)
BE(3)
AA4
DIR
CS
BS
Y10
MSDIR
CS#
BS#
PRST#
IC1007
AUDIO DAC
MCLK
PD
BICK
SDAT
LRCK
CKS
PP(6)
BCK
SD
LRCK
PP(5)
OUTL
OUTR
IC1012 SW
IC1013 SW
IC1014 BUFF
IC1015 BUFF
IN
CONT
GND
V+
OUT
MSAU_L
MSAU_R
Q1007
AU_MUTE
AU_GND
IC1009
VDCDISABLE
MS_SEL
USB_DETECT
M_STATUS
B_STATUS
TXD
SIRCS
OUT4
IN0
OUT5
OUT6
OUT3
EN
IN2
IN3
IN7
IN6
IN5
IN4
MS_RESET
TXD_MS
SIR
BRD_STATUS
MENU_STATUS
FLAG
Q1004
INV
D1001
Q1002
LED SW
IC1004 WDT
RESET
RSTN
RCT
TIMER
Y13
AA13
WDT_ENB
Q1001
SW
RXD
MS_RESET
TXD_MS
BRD_STATUS
SIR
MENU_STATUS
FLAG
CN1304
BS
VCC
INS
SCLK
DIO
MS
CONNECTOR
MBS
MPIO
MSCKO
MSDIO
Q1301
Q1302
D1301
INV
LED SW
Q1303
POWER
SW
D1302-D1305
PROTECT

Section 6
Diagrams

6-1

6-1. Frame Schematic Diagram




LCD G
LCD B
CN820 32P
GREEN
CN860 32P
BLUE
CN604 2P
D_5V
TLLUM_ON
CN603 4P
SUB+5
SIRCS-NR
GND
EXT_TEMP
CN606 5P
PHILIPS
FLAG
GND
D+3.3V
SCI
HI/LOW
CN608 4P WHT
FOR SCIROCCO (LAGE)
FAN1
PROT
GND
N.C
CN609 3P WHT
FOR PS CONVERTER
FAN2
CN611 3P WHT
FAN4
CN612 3P RED
FAN5
CN605 7P WHT
16.5
6.4
SUB5
POWER_ON
CN607 10P
13
D3.3
CN21 4P
NR
CN31 2P
L
LAMP
THERMOSTAT
DC(+)
DC(-)
CN601 3P WHT
CN706 7P
CN600 3P BLK
AC
N.C
CN501 2P AC INLET
AC INLET
CN502 3P
F
CN705 10P
CN703 9P
CN702 8P
G
C IN-2
CN502 70P
CN110 70P
FM QB
CN112 70P
CN105 9P
CN106 8P WHT
CN107 50P
FM QA
CN103 70P WHT L
CN201 24P :DVI-D
DVI
QA
CN902 50P
CN901 32P
MULTI
J901
USB

VPL-HS10

6-2. Schematic Diagrams and Printed Wiring Boards

Note:

- The parts marked " # " on schematic diagrams are not mounted.
- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
- : fusible resistor
- : nonflammable resistor
- : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

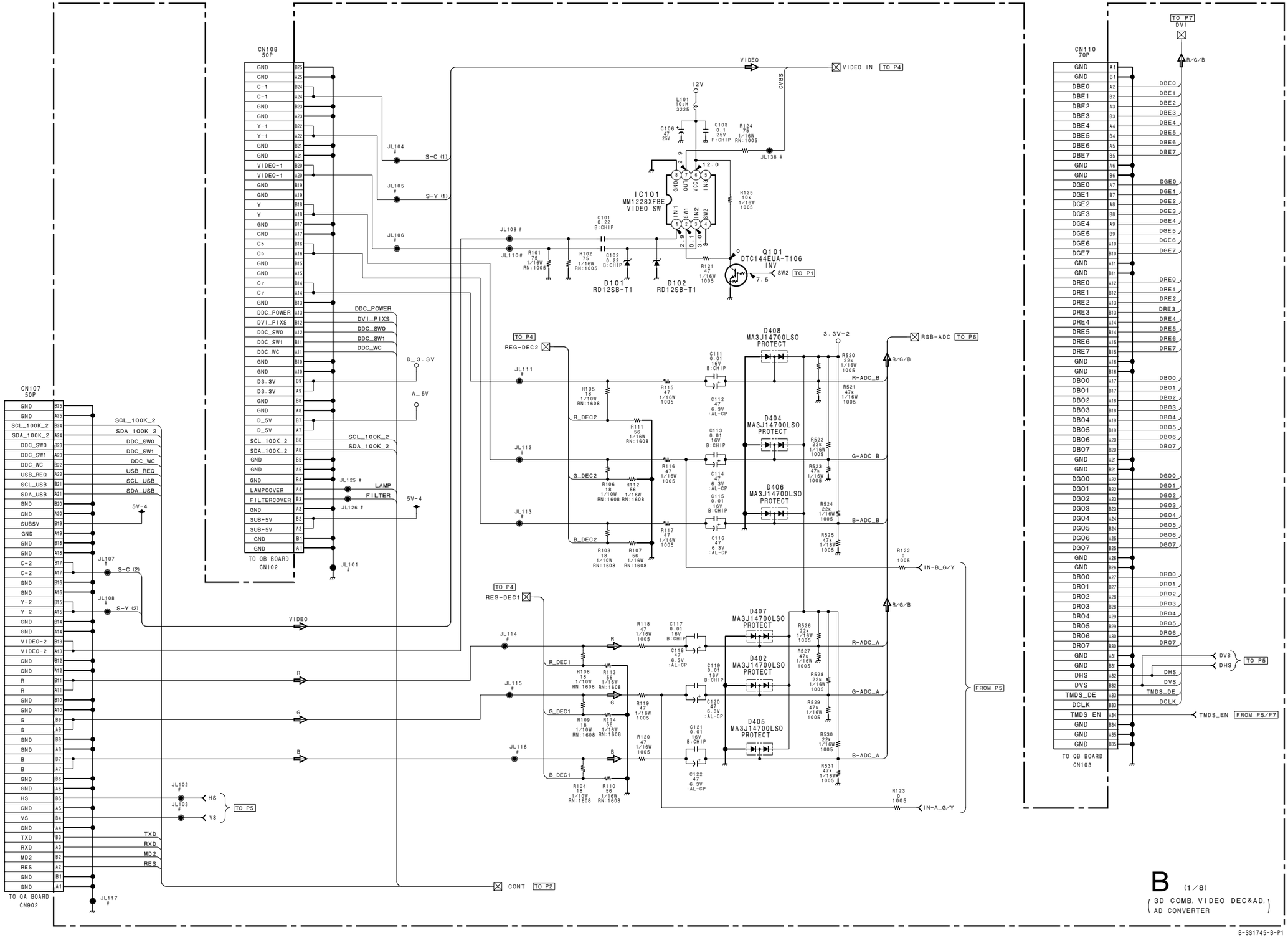
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

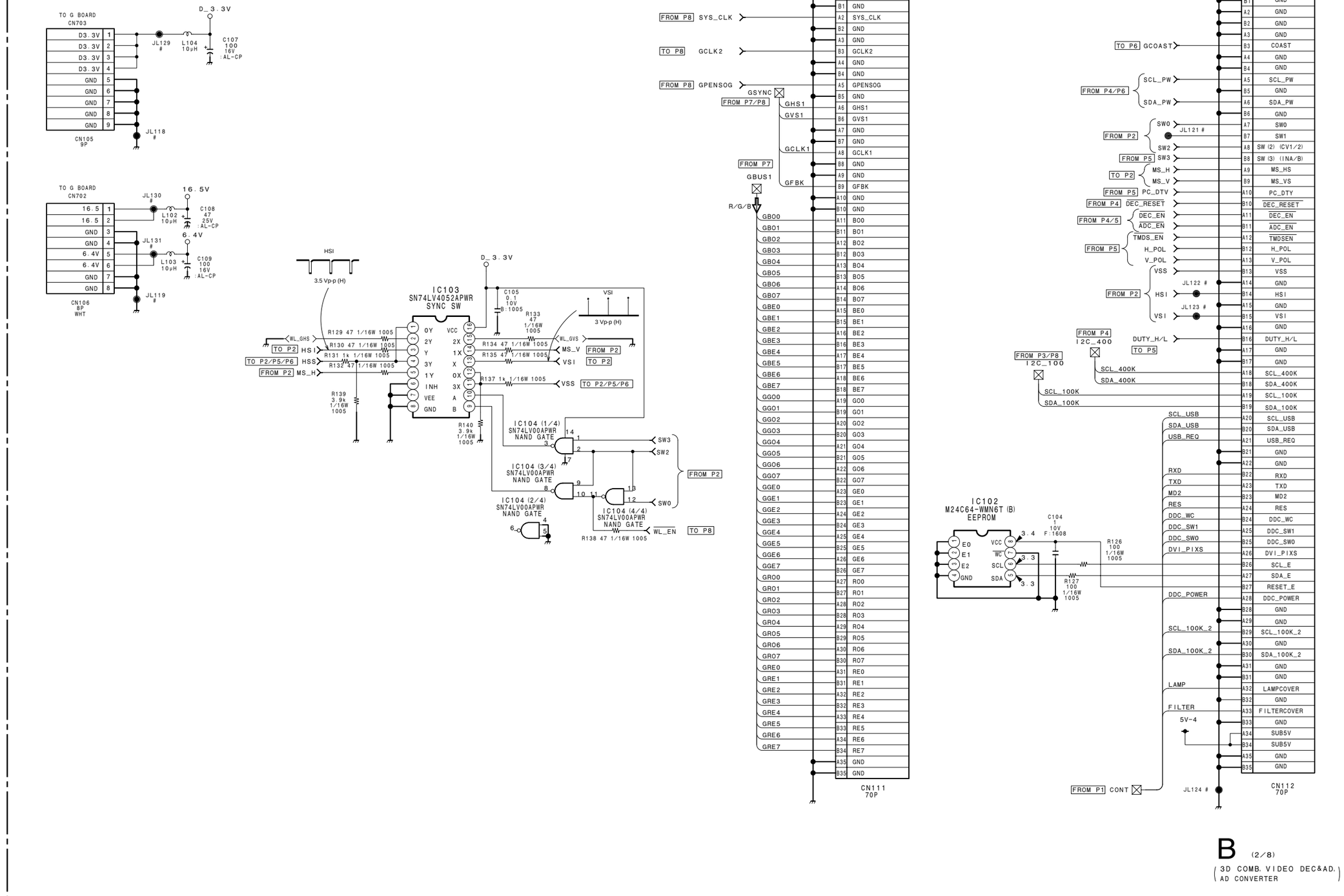
[Measuring conditions, voltage and waveform]

- A voltage value is the reference value between the measurement point and the earth, when the RGB color bar signal is received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- Unit of voltage is V (volt).
- : B+line
- : B– line
- Voltage variations may occur due to normal production tolerances.
- : Signal path.

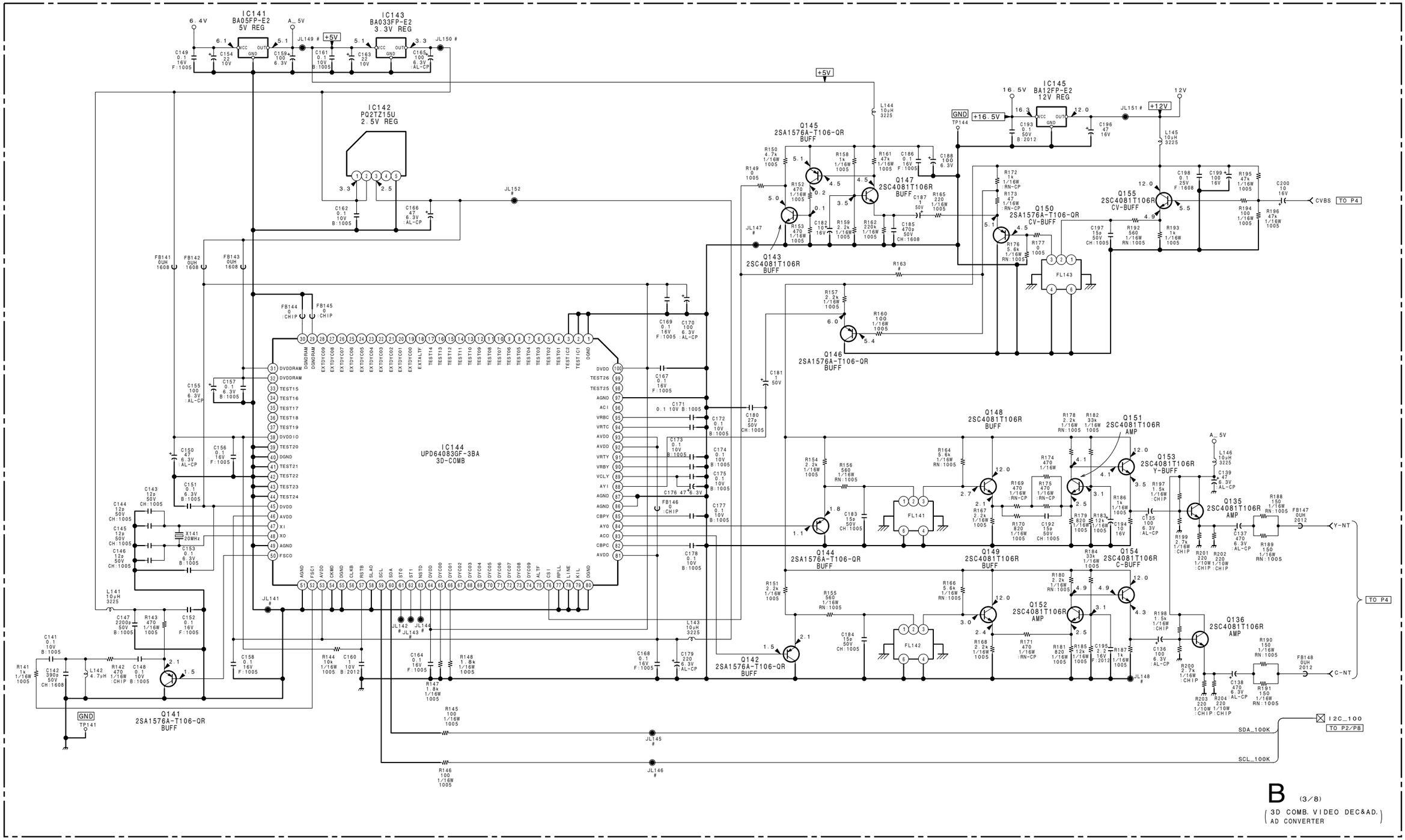
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

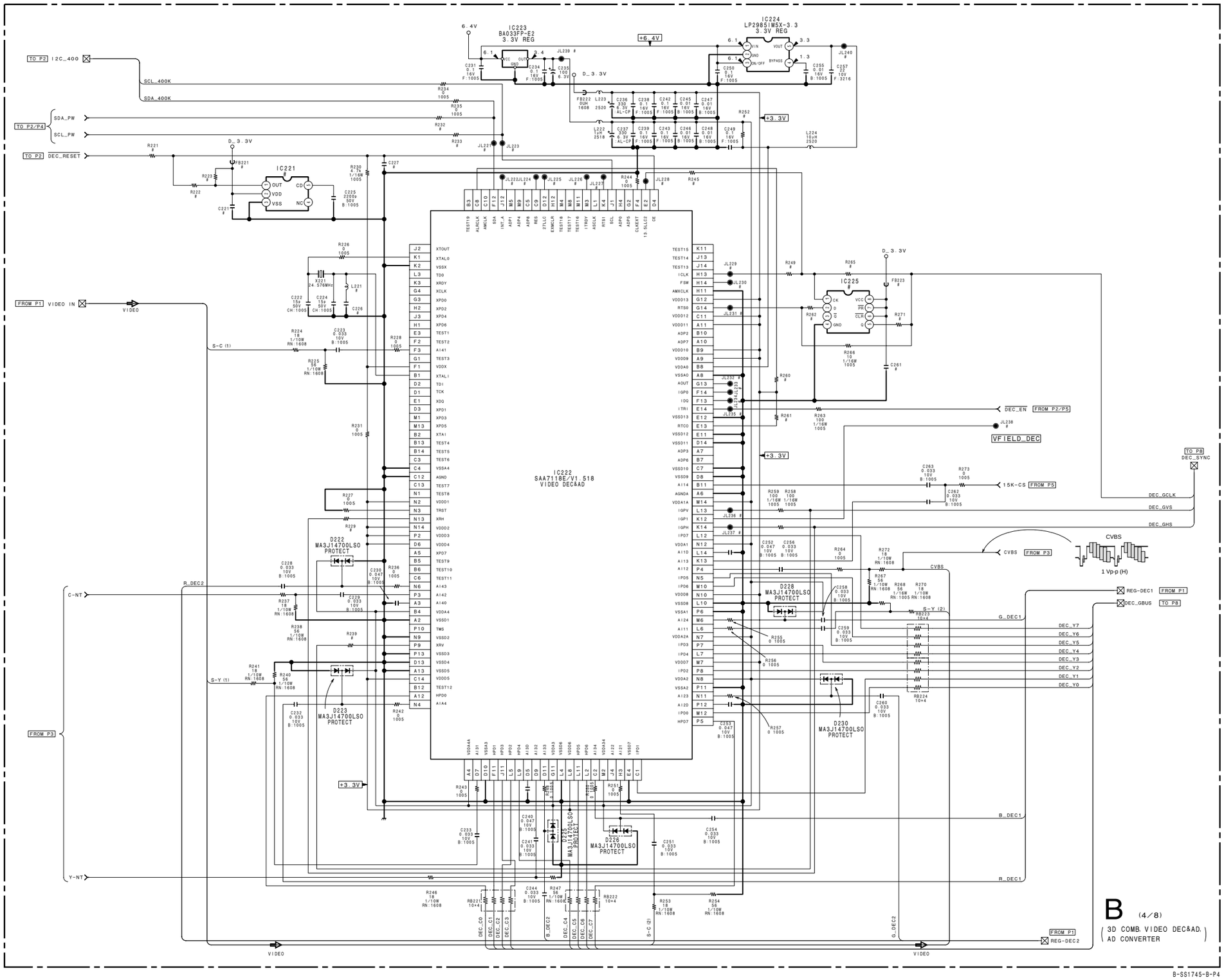
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

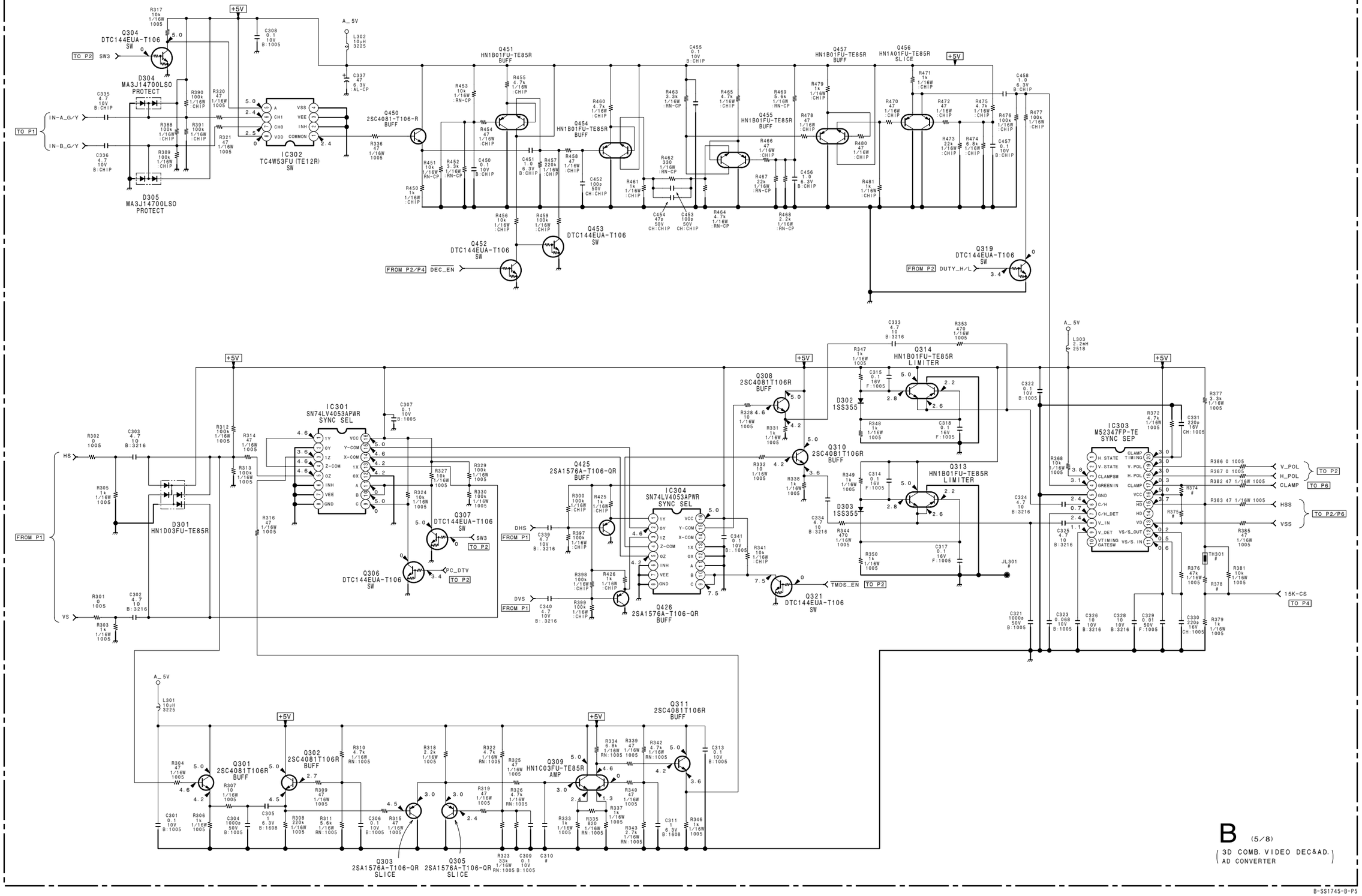

CN108 50P
CN107 50P
CN110 70P
VIDEO
VIDEO IN TO P4
12V
L101 10uH 3225
IC101 MM1228XFBE VIDEO SW
Q101 DTC144EUA-T106 INV
D101 RD12SB-T1
D102 RD12SB-T1
SW2 TO P1
JL104 # S-C (1)
JL105 # S-Y (1)
JL106 #
JL109 #
JL110 #
DDC_POWER
DVI_PIXS
DDC_SW0
DDC_SW1
DDC_WC
D_3.3V
A_5V
5V-4
SCL_100K_2
SDA_100K_2
LAMP
FILTER
JL125 #
JL126 #
JL101 #
TO QB BOARD CN102
TO QA BOARD CN902
JL107 # S-C (2)
JL108 # S-Y (2)
JL102 # HS
JL103 # VS
TO P5
TXD
RXD
MD2
RES
JL117 #
CONT TO P2
REG-DEC2
REG-DEC1
JL111 #
JL112 #
JL113 #
JL114 #
JL115 #
JL116 #
R_DEC2
G_DEC2
B_DEC2
R_DEC1
G_DEC1
B_DEC1
D408 MA3J14700LSO PROTECT
D404 MA3J14700LSO PROTECT
D406 MA3J14700LSO PROTECT
D407 MA3J14700LSO PROTECT
D402 MA3J14700LSO PROTECT
D405 MA3J14700LSO PROTECT
3.3V-2
RGB-ADC TO P6
R-ADC_B
G-ADC_B
B-ADC_B
R-ADC_A
G-ADC_A
B-ADC_A
IN-B_G/Y
IN-A_G/Y
FROM P5
R/G/B
TO P7 DVI
DVS
DHS
TMDS_DE
DCLK
TMDS_EN FROM P5/P7
TO QB BOARD CN103
B (1/8)
(3D COMB. VIDEO DEC&AD. AD CONVERTER)
B-SS1745-B-P1

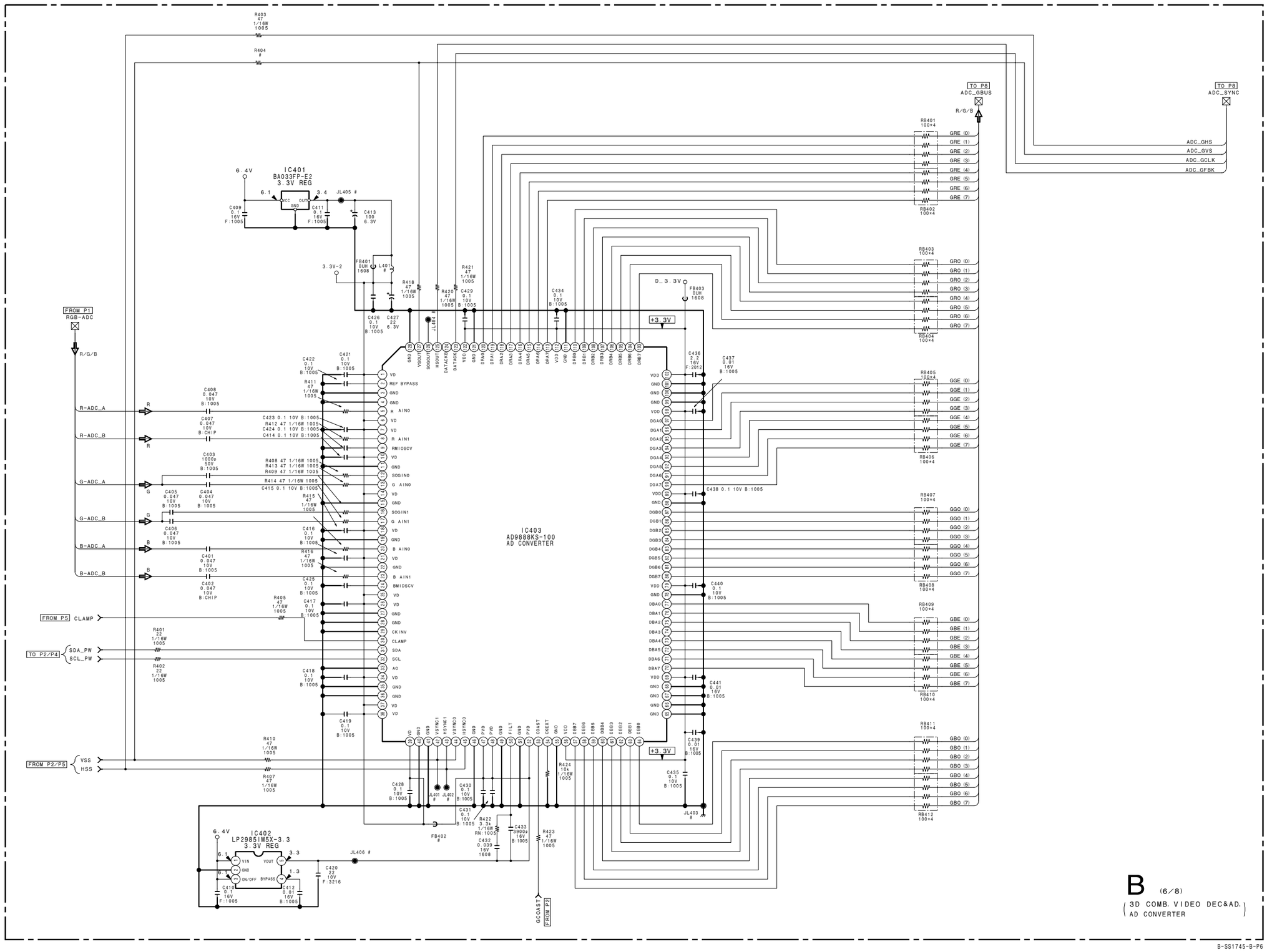

TO G BOARD CN703
D3.3V 1
D3.3V 2
D3.3V 3
D3.3V 4
GND 5
GND 6
GND 7
GND 8
GND 9
CN105 9P
D_3.3V
JL129 #
L104 10µH
C107 100 16V :AL-CP
JL118 #
TO G BOARD CN702
16.5 1
16.5 2
GND 3
GND 4
6.4V 5
6.4V 6
GND 7
GND 8
CN106 8P WHT
16.5V
JL130 #
L102 10µH
C108 47 25V :AL-CP
6.4V
JL131 #
L103 10µH
C109 100 16V :AL-CP
JL119 #
HSI
3.5 Vp-p (H)
IC103 SN74LV4052APWR SYNC SW
C105 0.1 10V B:1005
R133 47 1/16W 1005
VSI
3 Vp-p (H)
WL_GHS
TO P2 HSI
TO P2/P5/P6 HSS
FROM P2 MS_H
R129 47 1/16W 1005
R130 47 1/16W 1005
R131 1k 1/16W 1005
R132 47 1/16W 1005
R134 47 1/16W 1005
R135 47 1/16W 1005
WL_GVS
MS_V
VSI
FROM P2
TO P2
R137 1k 1/16W 1005
VSS
TO P2/P5/P6
R139 3.9k 1/16W 1005
R140 3.9k 1/16W 1005
IC104 (1/4) SN74LV00APWR NAND GATE
IC104 (3/4) SN74LV00APWR NAND GATE
IC104 (2/4) SN74LV00APWR NAND GATE
IC104 (4/4) SN74LV00APWR NAND GATE
SW3
SW2
SW0
FROM P2
WL_EN
TO P8
R138 47 1/16W 1005
TO C BOARD CN501
FROM P8 SYS_CLK
TO P8 GCLK2
FROM P8 GPENSOG
GSYNC
FROM P7/P8 GHS1
GVS1
GCLK1
FROM P7 GBUS1
GFBK
R/G/B
GBO0 GBO1 GBO2 GBO3 GBO4 GBO5 GBO6 GBO7
GBE0 GBE1 GBE2 GBE3 GBE4 GBE5 GBE6 GBE7
GGO0 GGO1 GGO2 GGO3 GGO4 GGO5 GGO6 GGO7
GGE0 GGE1 GGE2 GGE3 GGE4 GGE5 GGE6 GGE7
GRO0 GRO1 GRO2 GRO3 GRO4 GRO5 GRO6 GRO7
GRE0 GRE1 GRE2 GRE3 GRE4 GRE5 GRE6 GRE7
CN111 70P
IC102 M24C64-WMN6T (B) EEPROM
E0 E1 E2 GND
VCC WC SCL SDA
3.4 3.3 3.3
C104 1 10V F:1608
R126 100 1/16W 1005
R127 100 1/16W 1005
TO C BOARD CN502
TO P6 GCOAST
FROM P4/P6 SCL_PW SDA_PW
FROM P2 SW0 JL121 # SW2
FROM P5 SW3
TO P2 MS_H MS_V
FROM P5 PC_DTV
FROM P4 DEC_RESET
FROM P4/5 DEC_EN ADC_EN
FROM P5 TMDS_EN H_POL V_POL
FROM P2 HSI JL122 # VSS VSI JL123 #
FROM P4 I2C_400
FROM P3/P8 I2C_100
TO P5 DUTY_H/L
SCL_400K SDA_400K
SCL_100K SDA_100K
SCL_USB SDA_USB USB_REQ
RXD TXD MD2 RES DDC_WC DDC_SW1 DDC_SW0 DVI_PIXS
DDC_POWER
SCL_100K_2 SDA_100K_2
LAMP FILTER
5V-4
FROM P1 CONT
JL124 #
CN112 70P
B (2/8)
(3D COMB. VIDEO DEC&AD. AD CONVERTER)

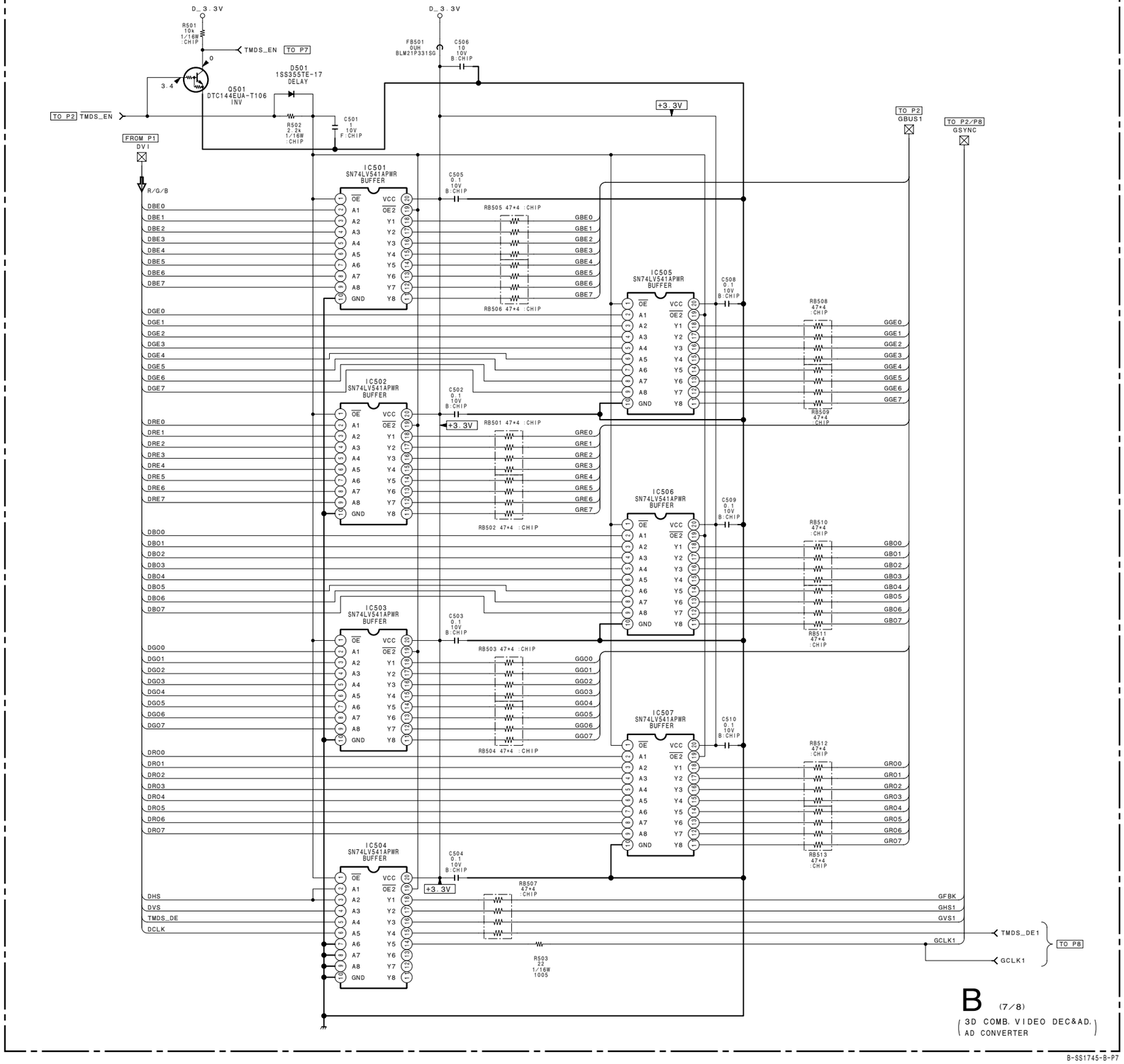
B-SS1745-B-P2

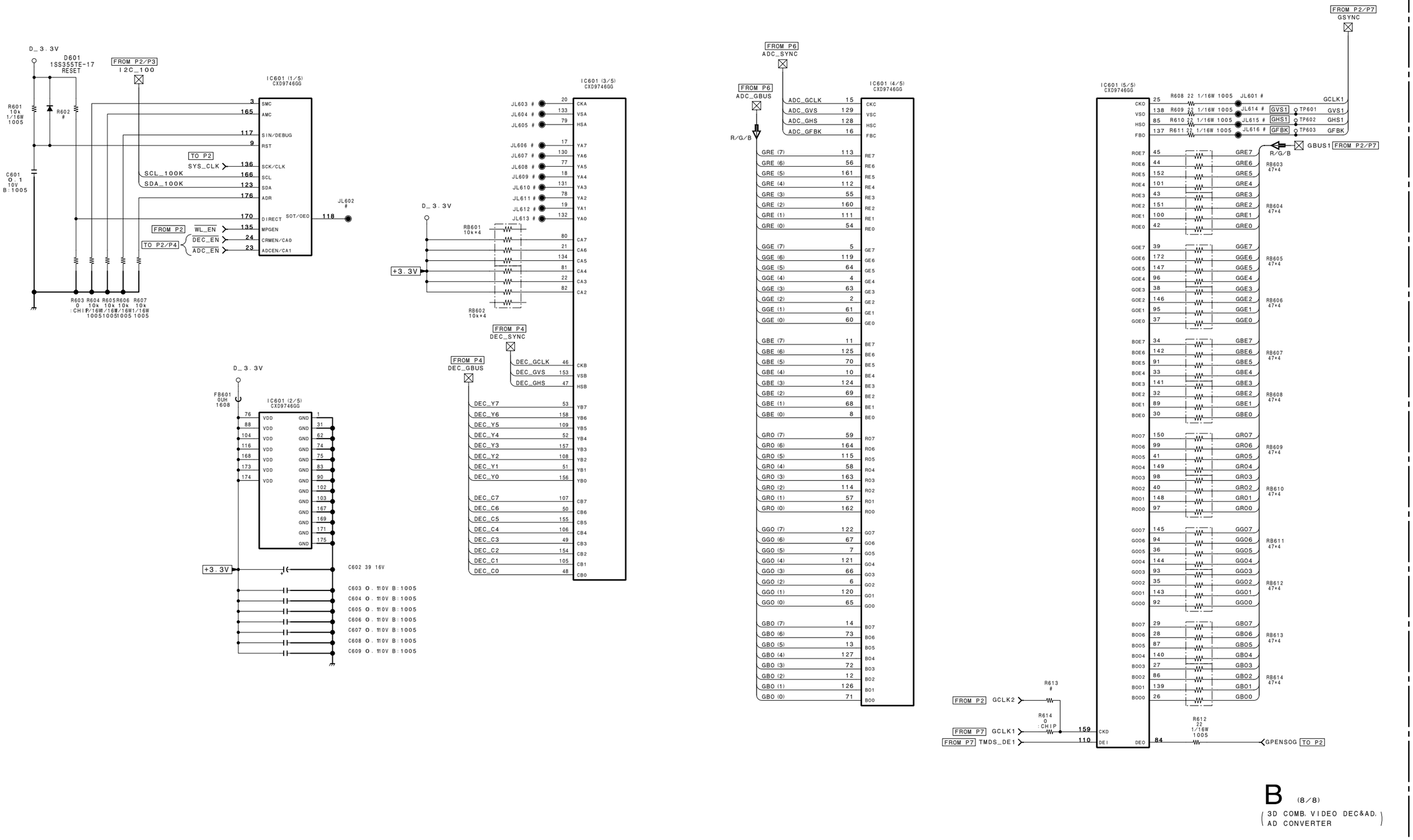

IC141
BA05FP-E2
5V REG
IC143
BA033FP-E2
3.3V REG
IC142
PQ2TZ15U
2.5V REG
IC145
BA12FP-E2
12V REG
IC144
UPD64083GF-3BA
3D-COMB
Q145
2SA1576A-T106-QR
BUFF
Q147
2SC4081T106R
BUFF
Q143
2SC4081T106R
BUFF
Q150
2SA1576A-T106-QR
CV-BUFF
Q155
2SC4081T106R
CV-BUFF
Q146
2SA1576A-T106-QR
BUFF
Q148
2SC4081T106R
BUFF
Q151
2SC4081T106R
AMP
Q153
2SC4081T106R
Y-BUFF
Q135
2SC4081T106R
AMP
Q144
2SA1576A-T106-QR
BUFF
Q149
2SC4081T106R
BUFF
Q154
2SC4081T106R
C-BUFF
Q152
2SC4081T106R
AMP
Q136
2SC4081T106R
AMP
Q141
2SA1576A-T106-QR
BUFF
Q142
2SA1576A-T106-QR
BUFF
FL143
FL141
FL142
X141
20MHz
+5V
+12V
+16.5V
GND
CVBS
TO P4
Y-NT
C-NT
TO P4
I2C_100
TO P2/P8
SDA_100K
SCL_100K
B (3/8)
(3D COMB. VIDEO DEC&AD. AD CONVERTER)
B-SS1745-B-P3


IC223
BA033FP-E2
3.3V REG
IC224
LP2985IM5X-3.3
3.3V REG
+6.4V
+3.3V
D_3.3V
TO P2 I2C_400
SCL_400K
SDA_400K
TO P2/P4
SDA_PW
SCL_PW
TO P2
DEC_RESET
IC221
IC222
SAA7118E/V1.518
VIDEO DEC&AD
FROM P1
VIDEO IN
VIDEO
S-C (1)
S-Y (1)
C-NT
Y-NT
R_DEC2
FROM P3
D222
MA3J14700LSO
PROTECT
D223
MA3J14700LSO
PROTECT
D226
MA3J14700LSO
PROTECT
D228
MA3J14700LSO
PROTECT
D230
MA3J14700LSO
PROTECT
IC225
DEC_EN
FROM P2/P5
VFIELD_DEC
TO P8
DEC_SYNC
DEC_GCLK
DEC_GVS
DEC_GHS
15K-CS
FROM P5
CVBS
FROM P3
1 Vp-p (H)
REG-DEC1
FROM P1
DEC_GBUS
TO P8
S-Y (2)
G_DEC1
B_DEC1
R_DEC1
G_DEC2
B_DEC2
S-C (2)
DEC_Y7
DEC_Y6
DEC_Y5
DEC_Y4
DEC_Y3
DEC_Y2
DEC_Y1
DEC_Y0
REG-DEC2
FROM P1
B (4/8)
3D COMB. VIDEO DEC&AD.
AD CONVERTER
B-SS1745-B-P4

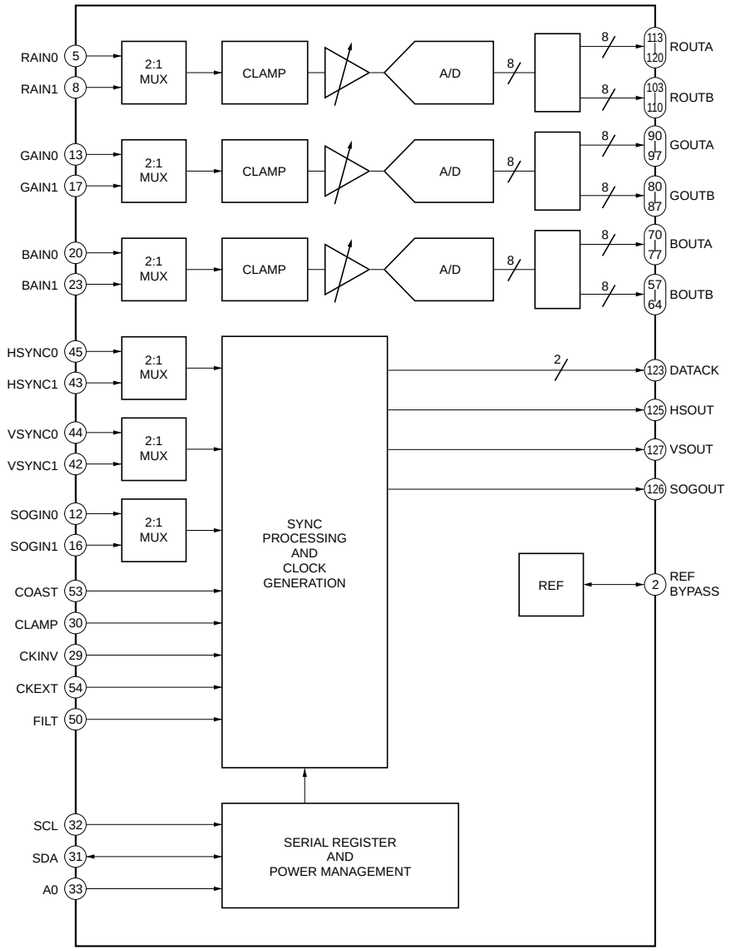

B (5/8)
3D COMB. VIDEO DEC&AD.
AD CONVERTER
B-SS1745-B-P5
IC301 SN74LV4053APWR SYNC SEL
IC302 TC4W53FU(TE12R) SW
IC303 M52347FP-TE SYNC SEP
IC304 SN74LV4053APWR SYNC SEL
Q301 2SC4081T106R BUFF
Q302 2SC4081T106R BUFF
Q303 2SA1576A-T106-QR SLICE
Q304 DTC144EUA-T106 SW
Q305 2SA1576A-T106-QR SLICE
Q306 DTC144EUA-T106 SW
Q307 DTC144EUA-T106 SW
Q308 2SC4081T106R BUFF
Q309 HN1C03FU-TE85R AMP
Q310 2SC4081T106R BUFF
Q311 2SC4081T106R BUFF
Q313 HN1B01FU-TE85R LIMITER
Q314 HN1B01FU-TE85R LIMITER
Q319 DTC144EUA-T106 SW
Q321 DTC144EUA-T106 SW
Q425 2SA1576A-T106-QR BUFF
Q426 2SA1576A-T106-QR BUFF
Q450 2SC4081-T106-R BUFF
Q451 HN1B01FU-TE85R BUFF
Q452 DTC144EUA-T106 SW
Q453 DTC144EUA-T106 SW
Q454 HN1B01FU-TE85R BUFF
Q455 HN1B01FU-TE85R BUFF
Q456 HN1A01FU-TE85R SLICE
Q457 HN1B01FU-TE85R BUFF
D301 HN1D03FU-TE85R
D302 1SS355
D303 1SS355
D304 MA3J14700LSO PROTECT
D305 MA3J14700LSO PROTECT
L301 10µH 3225
L302 10µH 3225
L303 2.2nH 2518
TH301
JL301
+5V
A_5V
HS
VS
DHS
DVS
IN-A_G/Y
IN-B_G/Y
SW3
DEC_EN
PC_DTV
TMDS_EN
DUTY_H/L
V_POL
H_POL
CLAMP
HSS
VSS
15K-CS
FROM P1
FROM P2/P4
TO P1
TO P2
TO P4
TO P6
TO P2/P6


IC401
BA033FP-E2
3.3V REG
IC403
AD9888KS-100
AD CONVERTER
IC402
LP2985IM5X-3.3
3.3V REG
TO P8
ADC_GBUS
R/G/B
TO P8
ADC_SYNC
ADC_GHS
ADC_GVS
ADC_GCLK
ADC_GFBK
FROM P1
RGB-ADC
R-ADC_A
R-ADC_B
G-ADC_A
G-ADC_B
B-ADC_A
B-ADC_B
FROM P5 CLAMP
TO P2/P4 SDA_PW
SCL_PW
FROM P2/P5 VSS
HSS
+3.3V
D_3.3V
GCOAST FROM P2
B (6/8)
3D COMB. VIDEO DEC&AD.
AD CONVERTER
B-SS1745-B-P6

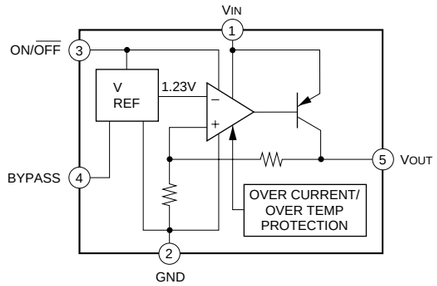

D_3.3V
R501 10k 1/16W :CHIP
TMDS_EN
TO P7
Q
3.4
Q501 DTC144EUA-T106 INV
D501 1SS355TE-17 DELAY
TO P2 TMDS_EN
R502 2.2k 1/16W :CHIP
C501 1 10V F:CHIP
FB501 0UH BLM21P331SG
C506 10 10V B:CHIP
+3.3V
TO P2 GBUS1
TO P2/P8 GSYNC
FROM P1 DVI
R/G/B
IC501 SN74LV541APWR BUFFER
C505 0.1 10V B:CHIP
RB505 47*4 :CHIP
RB506 47*4 :CHIP
DBE0 DBE1 DBE2 DBE3 DBE4 DBE5 DBE6 DBE7
GBE0 GBE1 GBE2 GBE3 GBE4 GBE5 GBE6 GBE7
IC505 SN74LV541APWR BUFFER
C508 0.1 10V B:CHIP
RB508 47*4 :CHIP
RB509 47*4 :CHIP
DGE0 DGE1 DGE2 DGE3 DGE4 DGE5 DGE6 DGE7
GGE0 GGE1 GGE2 GGE3 GGE4 GGE5 GGE6 GGE7
IC502 SN74LV541APWR BUFFER
C502 0.1 10V B:CHIP
+3.3V
RB501 47*4 :CHIP
RB502 47*4 :CHIP
DRE0 DRE1 DRE2 DRE3 DRE4 DRE5 DRE6 DRE7
GRE0 GRE1 GRE2 GRE3 GRE4 GRE5 GRE6 GRE7
IC506 SN74LV541APWR BUFFER
C509 0.1 10V B:CHIP
RB510 47*4 :CHIP
RB511 47*4 :CHIP
DBO0 DBO1 DBO2 DBO3 DBO4 DBO5 DBO6 DBO7
GBO0 GBO1 GBO2 GBO3 GBO4 GBO5 GBO6 GBO7
IC503 SN74LV541APWR BUFFER
C503 0.1 10V B:CHIP
RB503 47*4 :CHIP
RB504 47*4 :CHIP
DGO0 DGO1 DGO2 DGO3 DGO4 DGO5 DGO6 DGO7
GGO0 GGO1 GGO2 GGO3 GGO4 GGO5 GGO6 GGO7
IC507 SN74LV541APWR BUFFER
C510 0.1 10V B:CHIP
RB512 47*4 :CHIP
RB513 47*4 :CHIP
DRO0 DRO1 DRO2 DRO3 DRO4 DRO5 DRO6 DRO7
GRO0 GRO1 GRO2 GRO3 GRO4 GRO5 GRO6 GRO7
IC504 SN74LV541APWR BUFFER
C504 0.1 10V B:CHIP
+3.3V
RB507 47*4 :CHIP
R503 22 1/16W 1005
DHS DVS TMDS_DE DCLK
GFBK GHS1 GVS1 GCLK1
TMDS_DE1 GCLK1
TO P8
OE VCC A1 OE2 A2 Y1 A3 Y2 A4 Y3 A5 Y4 A6 Y5 A7 Y6 A8 Y7 GND Y8
B (7/8)
3D COMB. VIDEO DEC&AD. AD CONVERTER
B-SS1745-B-P7


D_3.3V
D601
1SS355TE-17
RESET
FROM P2/P3
I2C_100
IC601 (1/5)
CXD9746GG
R601
10k
1/16W
1005
R602
#
C601
0.1
10V
B:1005
TO P2
SYS_CLK
SCL_100K
SDA_100K
FROM P2
WL_EN
TO P2/P4
DEC_EN
ADC_EN
SMC
AMC
SIN/DEBUG
RST
SCK/CLK
SCL
SDA
ADR
DIRECT
SOT/OEO
MPGEN
CRMEN/CA0
ADCEN/CA1
JL602
#
R603 R604 R605 R606 R607
10k 10k 10k 10k 10k
:CHIP/16W/16W/16W/16W
1005 1005 1005 1005 1005
IC601 (3/5)
CXD9746GG
JL603 # CKA
JL604 # VSA
JL605 # HSA
JL606 # YA7
JL607 # YA6
JL608 # YA5
JL609 # YA4
JL610 # YA3
JL611 # YA2
JL612 # YA1
JL613 # YA0
D_3.3V
RB601
10k×4
+3.3V
RB602
10k×4
CA7
CA6
CA5
CA4
CA3
CA2
FROM P4
DEC_SYNC
FROM P4
DEC_GBUS
DEC_GCLK CKB
DEC_GVS VSB
DEC_GHS HSB
DEC_Y7 YB7
DEC_Y6 YB6
DEC_Y5 YB5
DEC_Y4 YB4
DEC_Y3 YB3
DEC_Y2 YB2
DEC_Y1 YB1
DEC_Y0 YB0
DEC_C7 CB7
DEC_C6 CB6
DEC_C5 CB5
DEC_C4 CB4
DEC_C3 CB3
DEC_C2 CB2
DEC_C1 CB1
DEC_C0 CB0
D_3.3V
FB601
0UH
1608
IC601 (2/5)
CXD9746GG
VDD
GND
+3.3V
C602 39 16V
C603 0.1 10V B:1005
C604 0.1 10V B:1005
C605 0.1 10V B:1005
C606 0.1 10V B:1005
C607 0.1 10V B:1005
C608 0.1 10V B:1005
C609 0.1 10V B:1005
FROM P6
ADC_SYNC
FROM P6
ADC_GBUS
R/G/B
IC601 (4/5)
CXD9746GG
ADC_GCLK CKC
ADC_GVS VSC
ADC_GHS HSC
ADC_GFBK FBC
GRE (7) RE7
GRE (6) RE6
GRE (5) RE5
GRE (4) RE4
GRE (3) RE3
GRE (2) RE2
GRE (1) RE1
GRE (0) RE0
GGE (7) GE7
GGE (6) GE6
GGE (5) GE5
GGE (4) GE4
GGE (3) GE3
GGE (2) GE2
GGE (1) GE1
GGE (0) GE0
GBE (7) BE7
GBE (6) BE6
GBE (5) BE5
GBE (4) BE4
GBE (3) BE3
GBE (2) BE2
GBE (1) BE1
GBE (0) BE0
GRO (7) RO7
GRO (6) RO6
GRO (5) RO5
GRO (4) RO4
GRO (3) RO3
GRO (2) RO2
GRO (1) RO1
GRO (0) RO0
GGO (7) GO7
GGO (6) GO6
GGO (5) GO5
GGO (4) GO4
GGO (3) GO3
GGO (2) GO2
GGO (1) GO1
GGO (0) GO0
GBO (7) BO7
GBO (6) BO6
GBO (5) BO5
GBO (4) BO4
GBO (3) BO3
GBO (2) BO2
GBO (1) BO1
GBO (0) BO0
FROM P2/P7
GSYNC
IC601 (5/5)
CXD9746GG
CKO GCLK1
VSO GVS1
HSO GHS1
FBO GFBK
JL601 #
JL614 #
JL615 #
JL616 #
TP601
TP602
TP603
R608 22 1/16W 1005
R609 22 1/16W 1005
R610 22 1/16W 1005
R611 22 1/16W 1005
R/G/B
GBUS1
FROM P2/P7
ROE7 GRE7
ROE6 GRE6
ROE5 GRE5
ROE4 GRE4
ROE3 GRE3
ROE2 GRE2
ROE1 GRE1
ROE0 GRE0
RB603 47×4
RB604 47×4
GOE7 GGE7
GOE6 GGE6
GOE5 GGE5
GOE4 GGE4
GOE3 GGE3
GOE2 GGE2
GOE1 GGE1
GOE0 GGE0
RB605 47×4
RB606 47×4
BOE7 GBE7
BOE6 GBE6
BOE5 GBE5
BOE4 GBE4
BOE3 GBE3
BOE2 GBE2
BOE1 GBE1
BOE0 GBE0
RB607 47×4
RB608 47×4
RO07 GRO7
RO06 GRO6
RO05 GRO5
RO04 GRO4
RO03 GRO3
RO02 GRO2
RO01 GRO1
RO00 GRO0
RB609 47×4
RB610 47×4
GO07 GGO7
GO06 GGO6
GO05 GGO5
GO04 GGO4
GO03 GGO3
GO02 GGO2
GO01 GGO1
GO00 GGO0
RB611 47×4
RB612 47×4
BO07 GBO7
BO06 GBO6
BO05 GBO5
BO04 GBO4
BO03 GBO3
BO02 GBO2
BO01 GBO1
BO00 GBO0
RB613 47×4
RB614 47×4
R613
#
FROM P2 GCLK2
R614
0
:CHIP
FROM P7 GCLK1
FROM P7 TMDS_DE1
159 CKD
110 DEI
DEO 84
R612
22
1/16W
1005
GPENSOG TO P2
B (8/8)
3D COMB. VIDEO DEC&AD.
AD CONVERTER
B-SS1745-B-P8

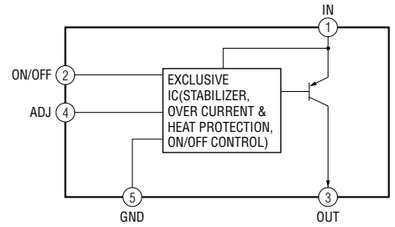
AD9888K-100 (IC403)



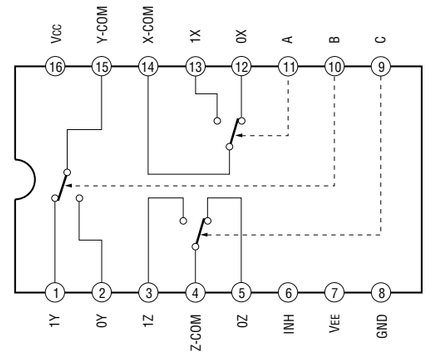
LP2985IM5X-3.3 (IC224, 402)



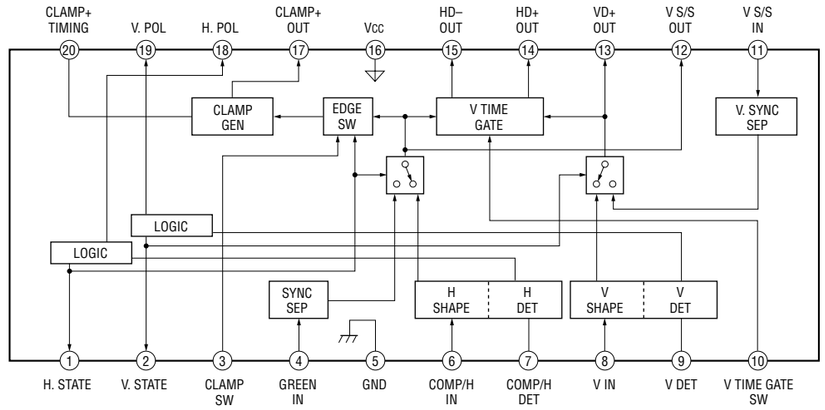
PQ2TZ15U (IC142)



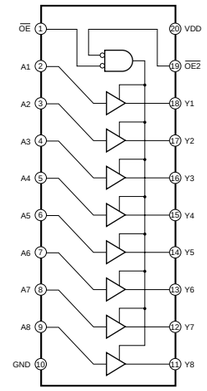
SN74LV4053APWR (IC301, 304)



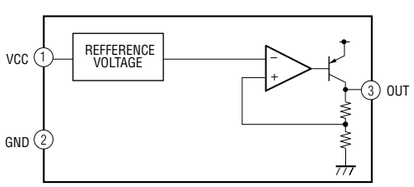
M52347FP-TE (IC303)



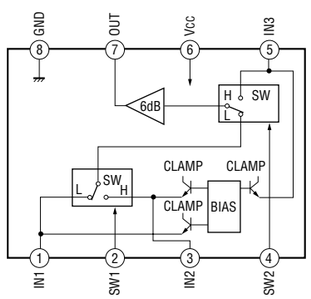
SN74LV541APWR (IC501-507)

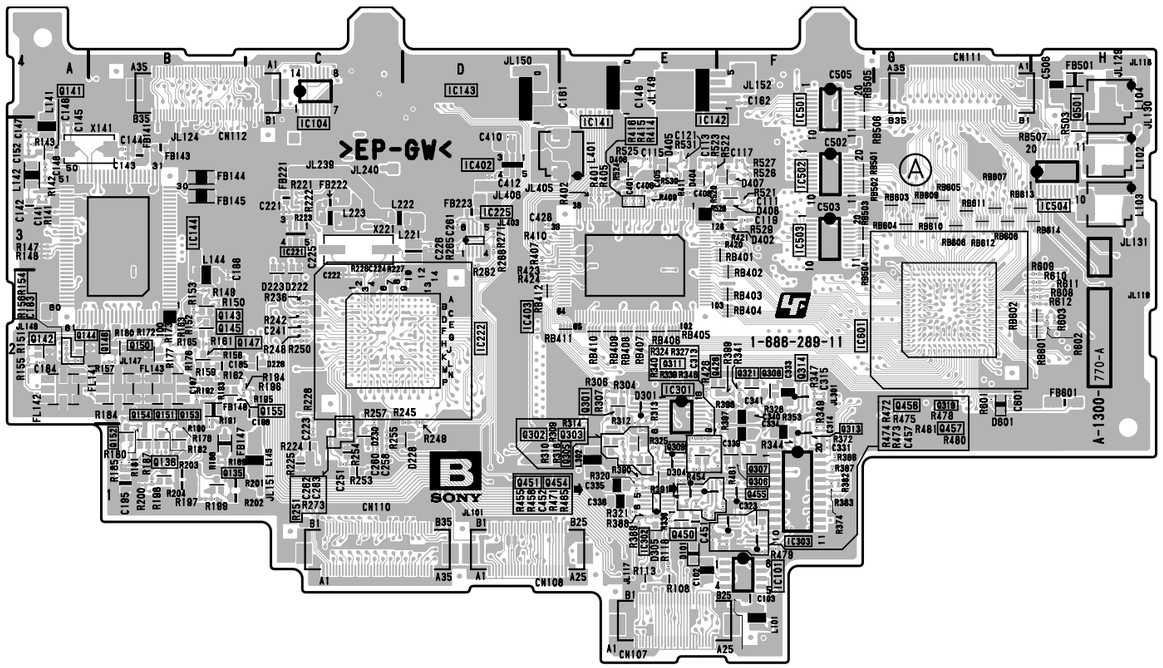


BA033FP-E2 (IC143, 223, 401)
BA05FP-E2 (IC141)
BA12FP-E2 (IC145)

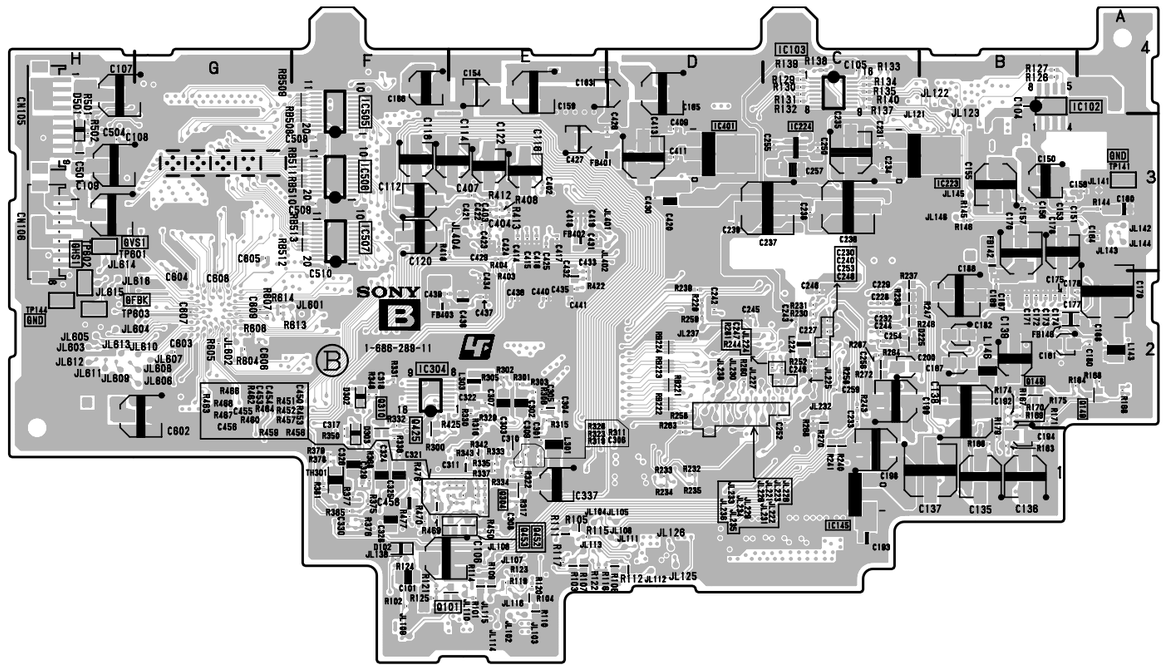


MM1228XFBE (IC101)





B -A SIDE-



B -B SIDE-

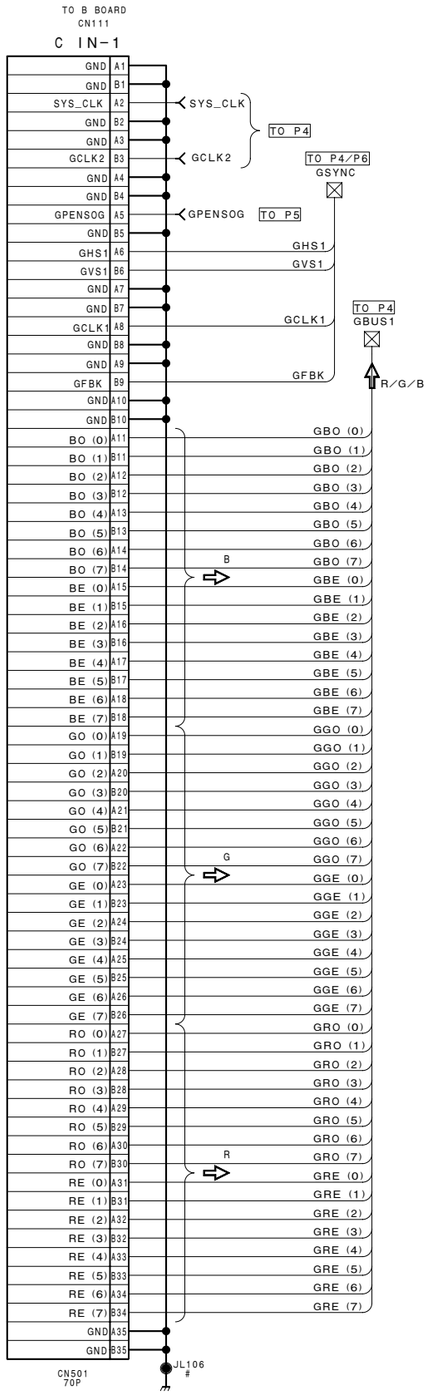
B Board

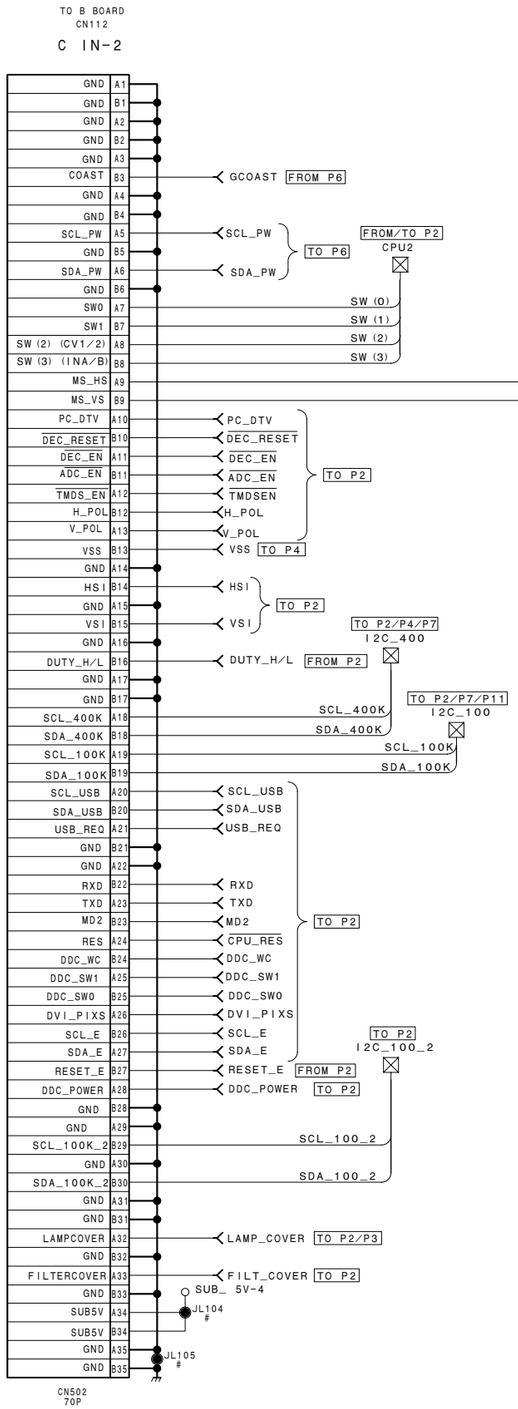
SUFFIX: -11

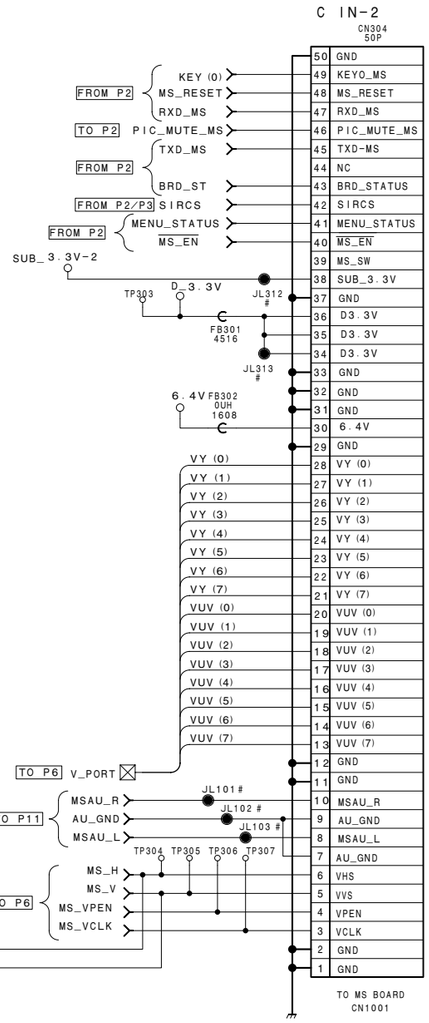
SUFFIX: -11

*:B SIDE

D101	E-1	IC503	F-3	Q453	*E-1		
D102	*F-1	IC504	H-3	Q454	D-2		
D222	C-2	IC505	*F-3	Q455	F-1		
D223	C-2	IC506	*F-3	Q456	F-1		
D225	*C-2	IC507	*F-3	Q457	F-1		
D226	C-2	IC601	F-2	Q501	H-4		
D228	D-2						
D230	C-2	Q101	*F-1	TP141	*A-3		
D301	E-2	Q135	B-2	TP144	*H-2		
D302	*F-2	Q136	B-2	TP601	*H-3		
D303	*F-2	Q141	A-3	TP602	*H-2		
D304	E-2	Q142	A-2	TP603	*H-2		
D305	E-1	Q143	B-2				
D402	F-3	Q144	A-2				
D404	E-3	Q145	B-2				
D405	E-3	Q146	B-2				
D406	E-3	Q147	B-2				
D407	F-3	Q148	*B-2				
D408	F-3	Q149	*A-2				
D501	*H-3	Q150	B-2				
D601	G-2	Q151	B-2				
		Q152	B-2				
IC101	F-1	Q153	B-2				
IC102	*B-4	Q154	B-2				
IC103	*C-4	Q155	B-2				
IC104	C-4	Q301	E-2				
IC141	E-4	Q302	E-2				
IC142	E-4	Q303	E-2				
IC143	D-4	Q304	*E-1				
IC144	B-3	Q305	E-2				
IC145	*C-1	Q306	F-2				
IC221	C-3	Q307	F-2				
IC222	D-2	Q308	F-2				
IC223	*B-3	Q309	E-2				
IC224	*C-3	Q310	*F-2				
IC225	D-3	Q311	E-2				
IC301	E-2	Q313	F-2				
IC302	E-1	Q314	F-2				
IC303	F-1	Q319	F-1				
IC304	*F-2	Q321	F-2				
IC401	*D-3	Q425	*F-2				
IC402	D-3	Q426	E-2				
IC403	D-2	Q450	E-1				
IC501	F-4	Q451	D-2				
IC502	F-3	Q452	*E-1				



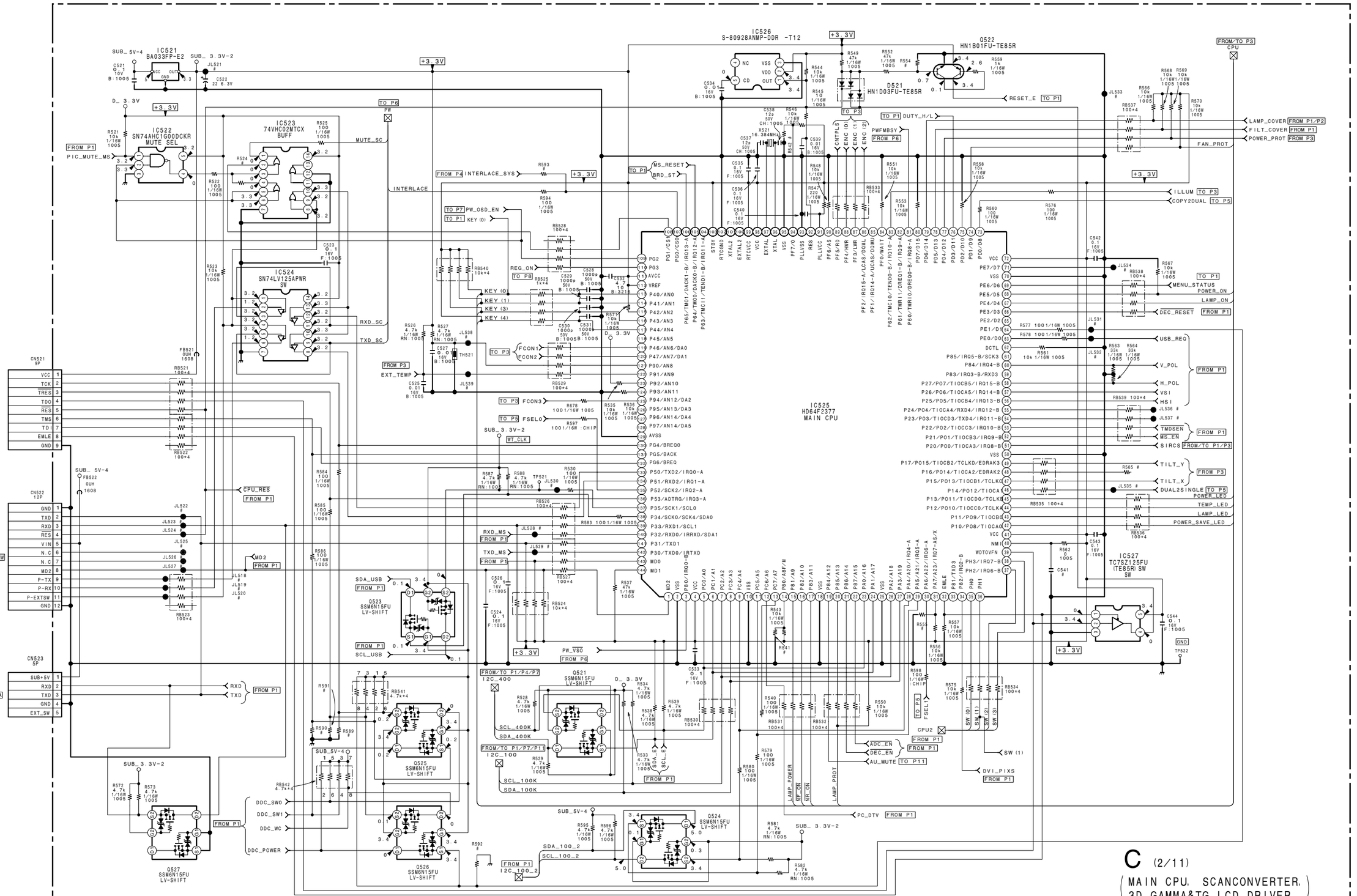


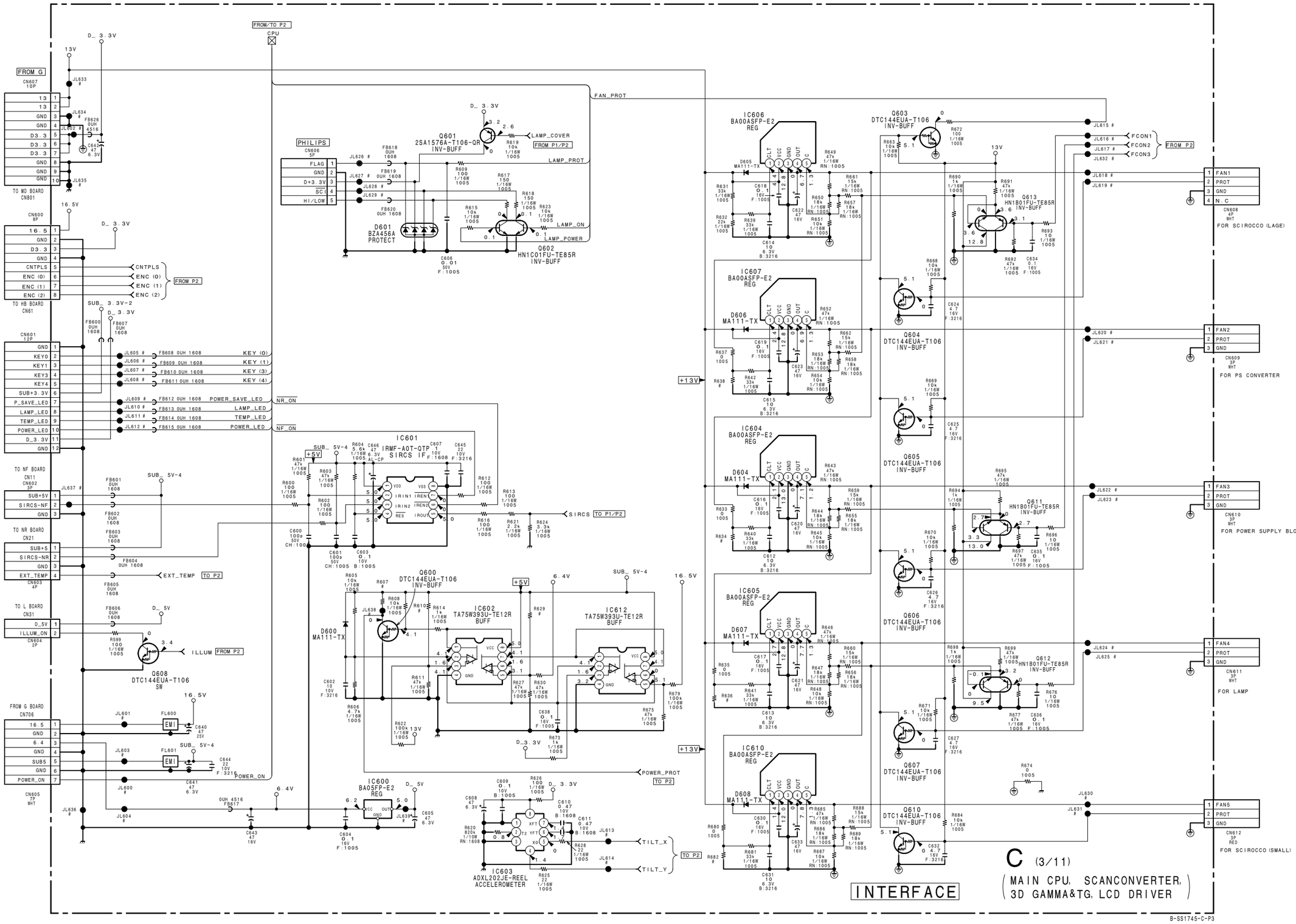


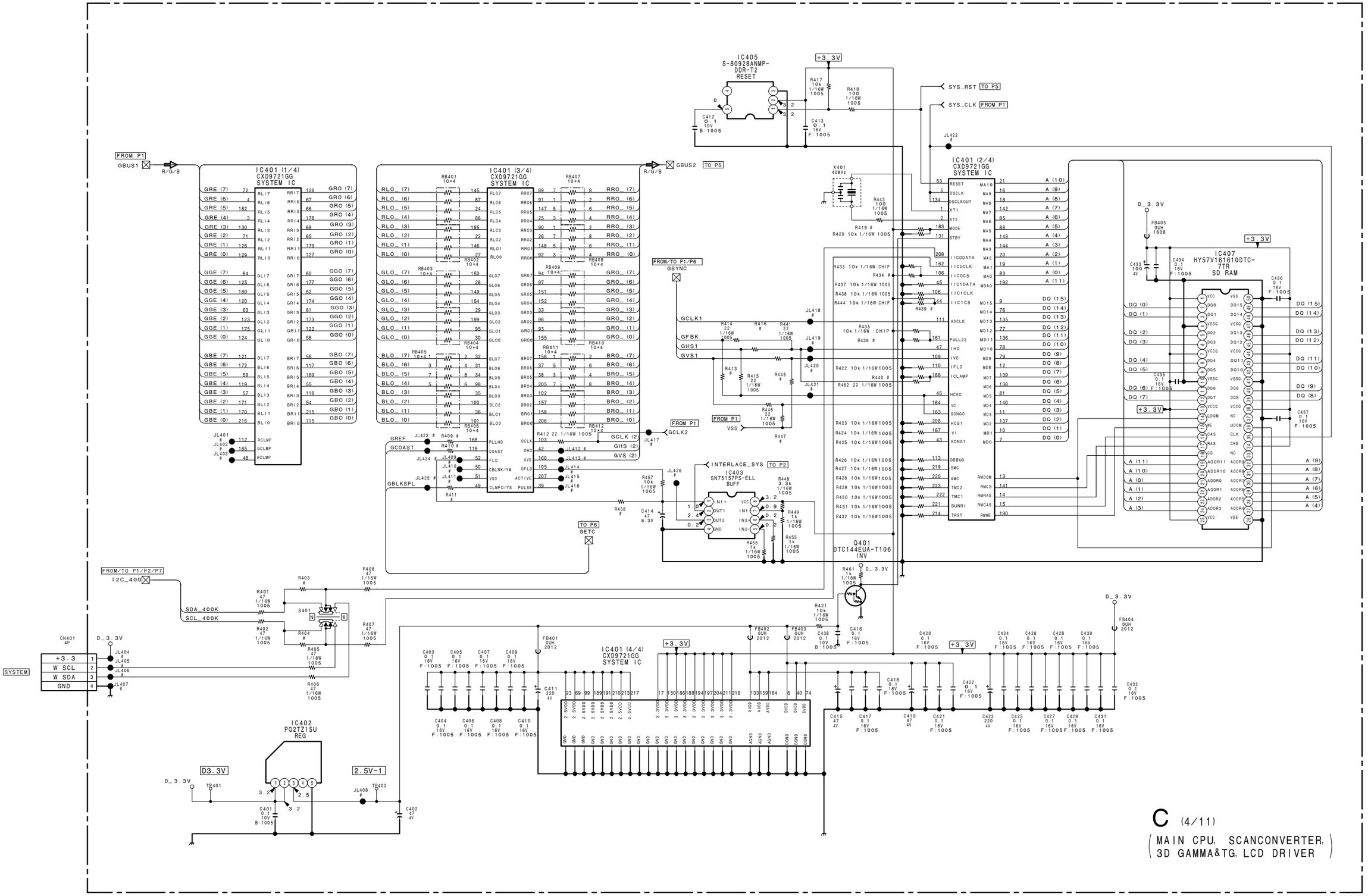
C (1/11)

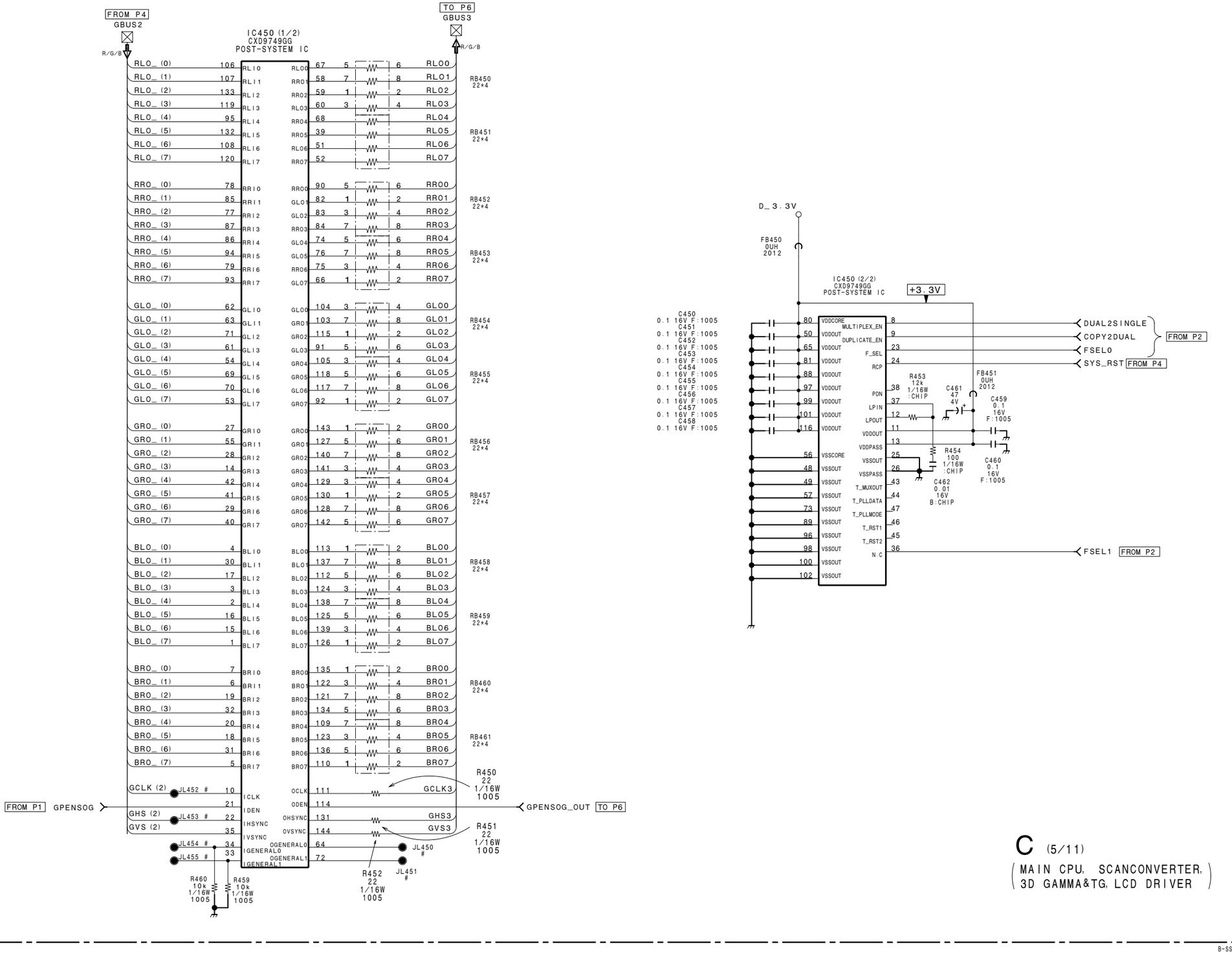
(MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER)

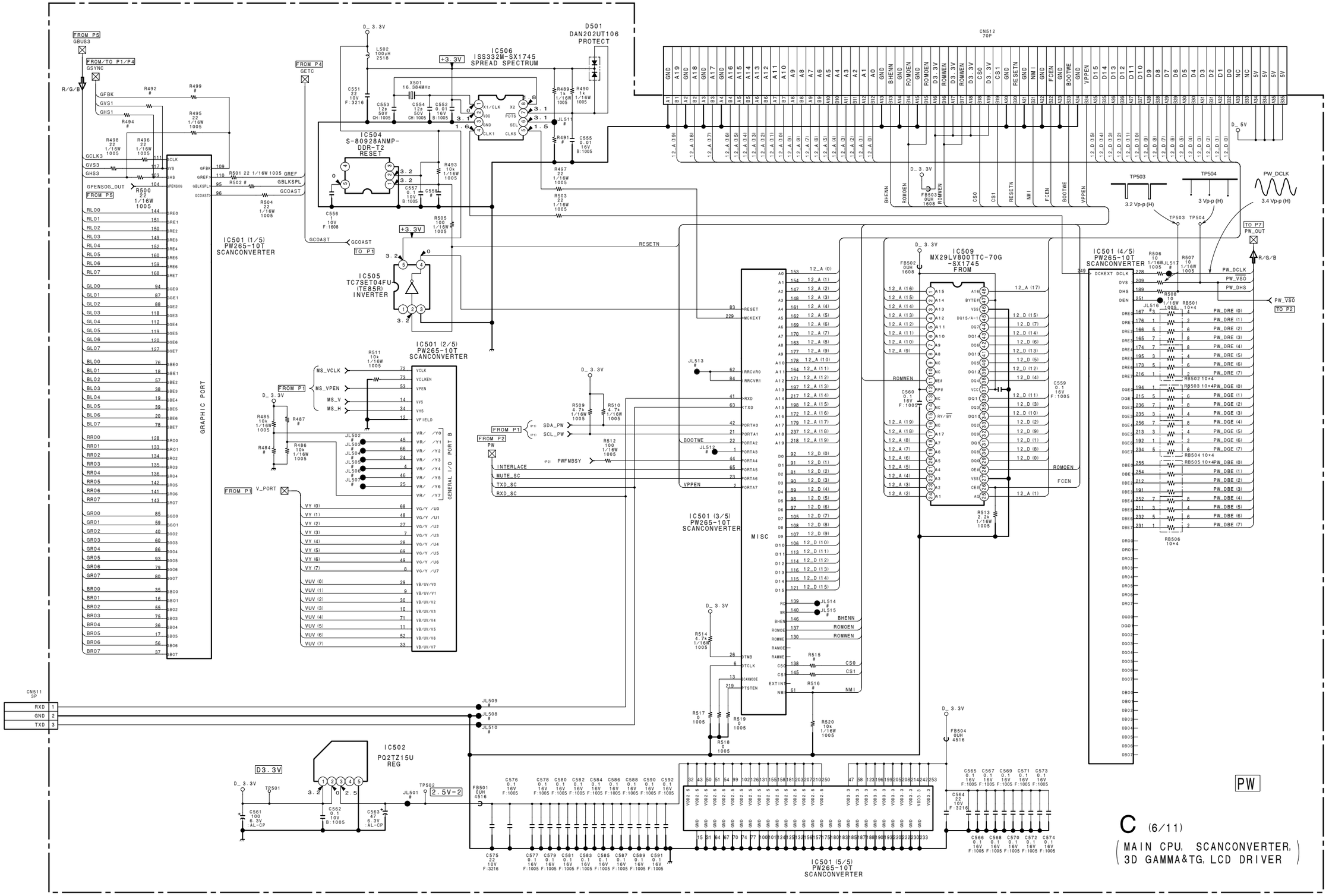
B-SS1745-C-P1

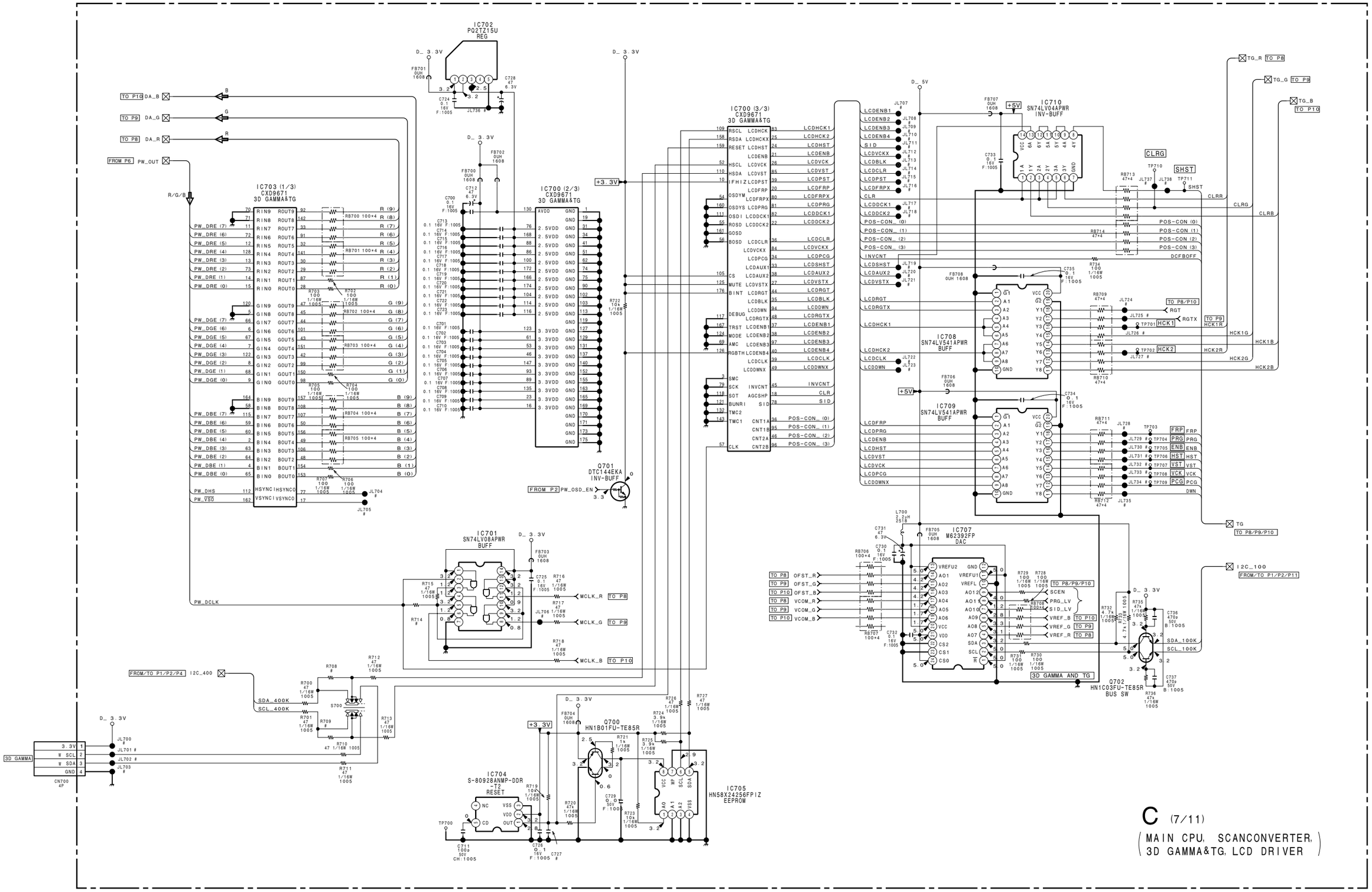

IC521 BA033FP-E2
IC522 SN74AHC1G00DCKR MUTE SEL
IC523 74VHC02MTCX BUFF
IC524 SN74LV125APWR SW
IC526 S-80928ANMP-DDR -T12
IC525 HD64F2377 MAIN CPU
IC527 TC7SZ125FU (TE85R) SW
Q521 HN1B01FU-TE85R
D521 HN1D03FU-TE85R
Q522 HN1B01FU-TE85R
Q523 SSM6N15FU LV-SHIFT
Q524 SSM6N15FU LV-SHIFT
Q525 SSM6N15FU LV-SHIFT
Q526 SSM6N15FU LV-SHIFT
Q527 SSM6N15FU LV-SHIFT
X521 16.384MHz
CN521 9P
CN522 12P
CN523 5P
CPU_RES
MUTE_SC
INTERLACE
RXD_SC
TXD_SC
REG_ON
KEY (0)
KEY (1)
KEY (3)
KEY (4)
FCON1
FCON2
FSELO
WT_CLK
EXT_TEMP
MD2
RXD_MS
TXD_MS
SDA_USB
SCL_USB
PW_VSO
SCL_400K
SDA_400K
SCL_100K
SDA_100K
SDA_100_2
SCL_100_2
DDC_SW0
DDC_SW1
DDC_WC
DDC_POWER
LAMP_POWER
RF_ON
RR_ON
LAMP_PROT
ADC_EN
DEC_EN
AU_MUTE
PC_DTV
CPU2
SW (1)
DVI_PIXS
LAMP_COVER
FILT_COVER
POWER_PROT
FAN_PROT
ILLUM
COPY2DUAL
MENU_STATUS
POWER_ON
LAMP_ON
DEC_RESET
USB_REQ
V_POL
H_POL
VSI
HSI
TMDSEN
MS_EN
SIRCS
TILT_Y
TILT_X
DUAL2SINGLE
POWER_LED
TEMP_LED
LAMP_LED
POWER_SAVE_LED
RESET_E
DUTY_H/L
PWFMBSY
CNTPLS
ENC (0)
ENC (1)
ENC (2)
MS_RESET
BRD_ST
PW_OSD_EN
KEY (0)
INTERLACE_SYS
PIC_MUTE_MS
SUB_ 5V-4
SUB_ 3.3V-2
D_ 3.3V
+3.3V
C (2/11)
MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P2
6-16
6-16
VPL-HS10


FROM G
CN607 10P
TO MD BOARD CN801
CN600 8P
TO HB BOARD CN61
CN601 12P
TO NF BOARD CN11
CN602 3P
TO NR BOARD CN21
CN603 4P
TO L BOARD CN31
CN604 2P
FROM G BOARD CN706
CN605 7P WHT
FROM/TO P2
CPU
PHILIPS
CN606 5P
Q601 2SA1576A-T106-QR INV-BUFF
D601 BZA456A PROTECT
Q602 HN1C01FU-TE85R INV-BUFF
FAN_PROT
LAMP_PROT
LAMP_COVER
LAMP_ON
LAMP_POWER
FROM P1/P2
IC606 BA00ASFP-E2 REG
IC607 BA00ASFP-E2 REG
IC604 BA00ASFP-E2 REG
IC605 BA00ASFP-E2 REG
IC610 BA00ASFP-E2 REG
D605 MA111-TX
D606 MA111-TX
D604 MA111-TX
D607 MA111-TX
D608 MA111-TX
Q603 DTC144EUA-T106 INV-BUFF
Q604 DTC144EUA-T106 INV-BUFF
Q605 DTC144EUA-T106 INV-BUFF
Q606 DTC144EUA-T106 INV-BUFF
Q607 DTC144EUA-T106 INV-BUFF
Q610 DTC144EUA-T106 INV-BUFF
Q613 HN1B01FU-TE85R INV-BUFF
Q612 HN1B01FU-TE85R INV-BUFF
Q611 HN1B01FU-TE85R INV-BUFF
FCON1
FCON2
FCON3
FROM P2
CN608 4P WHT
FOR SCIROCCO (LAGE)
CN609 3P WHT
FOR PS CONVERTER
CN610 3P WHT
FOR POWER SUPPLY BLOCK
CN611 3P WHT
FOR LAMP
CN612 3P RED
FOR SCIROCCO (SMALL)
IC601 IRMF-A0T-QTP SIRCS IF
SIRCS
TO P1/P2
KEY (0)
KEY (1)
KEY (3)
KEY (4)
POWER_SAVE_LED
LAMP_LED
TEMP_LED
POWER_LED
NR_ON
NF_ON
EXT_TEMP
TO P2
ILLUM
FROM P2
CNTPLS
ENC (0)
ENC (1)
ENC (2)
FROM P2
POWER_ON
POWER_PROT
TO P2
TILT_X
TILT_Y
TO P2
IC600 BA05FP-E2 REG
IC602 TA75W393U-TE12R BUFF
IC612 TA75W393U-TE12R BUFF
Q600 DTC144EUA-T106 INV-BUFF
Q608 DTC144EUA-T106 SW
D600 MA111-TX
IC603 ADXL202JE-REEL ACCELEROMETER
+13V
INTERFACE
C (3/11)
MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P3

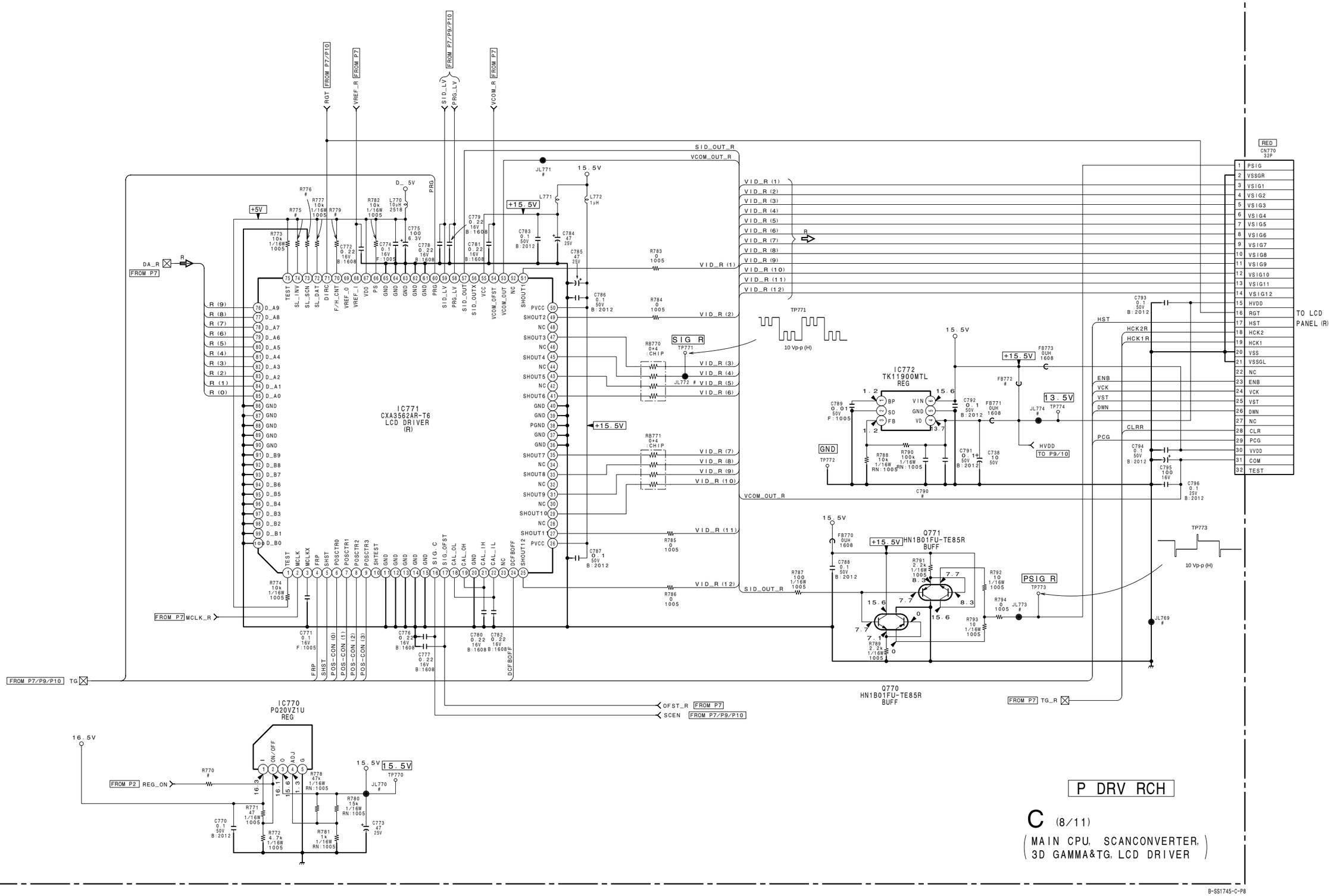

IC405
S-80928ANMP-
DDR-T2
RESET
+3.3V
SYS_RST
TO P5
SYS_CLK
FROM P1
IC401 (1/4)
CX09721GG
SYSTEM IC
IC401 (3/4)
CX09721GG
SYSTEM IC
IC401 (2/4)
CX09721GG
SYSTEM IC
IC401 (4/4)
CX09721GG
SYSTEM IC
FROM P1
GBUS1
R/G/B
GBUS2
TO P5
FROM/TO P1/P6
GSYNC
GCLK1
GFBK
GHS1
GVS1
GCLK2
GCLK (2)
GHS (2)
GVS (2)
INTERLACE_SYS
TO P2
IC403
SN75157PS-ELL
BUFF
TO P6
GETC
X401
40MHz
Q401
DTC144EUA-T106
INV
IC407
HY57V161610DTC-
7TR
SD RAM
FROM/TO P1/P2/P7
I2C_400
SDA_400K
SCL_400K
S401
CN401
4P
SYSTEM
+3.3
W SCL
W SDA
GND
IC402
PQ2TZ15U
REG
D3.3V
2.5V-1
TB401
TB402
C (4/11)
MAIN CPU, SCANCONVERTER,
3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P4

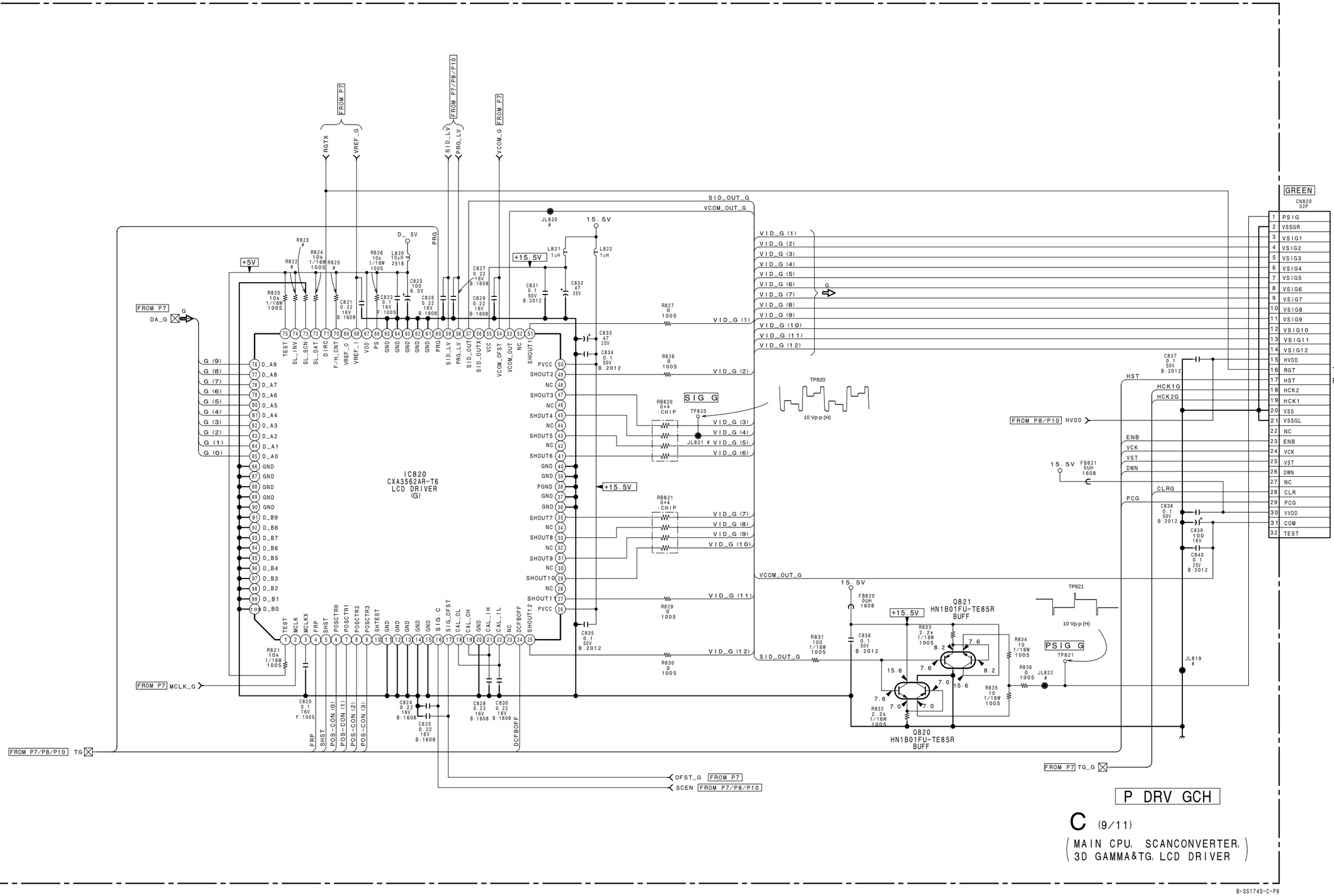

FROM P4
GBUS2
R/G/B
IC450 (1/2)
CXD9749GG
POST-SYSTEM IC
TO P6
GBUS3
R/G/B
RLO_ (0)
RLO_ (1)
RLO_ (2)
RLO_ (3)
RLO_ (4)
RLO_ (5)
RLO_ (6)
RLO_ (7)
RRO_ (0)
RRO_ (1)
RRO_ (2)
RRO_ (3)
RRO_ (4)
RRO_ (5)
RRO_ (6)
RRO_ (7)
GLO_ (0)
GLO_ (1)
GLO_ (2)
GLO_ (3)
GLO_ (4)
GLO_ (5)
GLO_ (6)
GLO_ (7)
GRO_ (0)
GRO_ (1)
GRO_ (2)
GRO_ (3)
GRO_ (4)
GRO_ (5)
GRO_ (6)
GRO_ (7)
BLO_ (0)
BLO_ (1)
BLO_ (2)
BLO_ (3)
BLO_ (4)
BLO_ (5)
BLO_ (6)
BLO_ (7)
BRO_ (0)
BRO_ (1)
BRO_ (2)
BRO_ (3)
BRO_ (4)
BRO_ (5)
BRO_ (6)
BRO_ (7)
RB450 22×4
RB451 22×4
RB452 22×4
RB453 22×4
RB454 22×4
RB455 22×4
RB456 22×4
RB457 22×4
RB458 22×4
RB459 22×4
RB460 22×4
RB461 22×4
GCLK (2)
JL452 #
GHS (2)
JL453 #
GVS (2)
JL454 #
JL455 #
FROM P1
GPENSOG
GPENSOG_OUT
TO P6
R450 22 1/16W 1005
R451 22 1/16W 1005
R452 22 1/16W 1005
R459 10k 1/16W 1005
R460 10k 1/16W 1005
JL450 #
JL451 #
D_3.3V
FB450 0UH 2012
IC450 (2/2)
CXD9749GG
POST-SYSTEM IC
+3.3V
C450 0.1 16V F:1005
C451 0.1 16V F:1005
C452 0.1 16V F:1005
C453 0.1 16V F:1005
C454 0.1 16V F:1005
C455 0.1 16V F:1005
C456 0.1 16V F:1005
C457 0.1 16V F:1005
C458 0.1 16V F:1005
DUAL2SINGLE
COPY2DUAL
FSEL0
SYS_RST
FROM P2
FROM P4
R453 12k 1/16W :CHIP
C461 47 4V
FB451 0UH 2012
C459 0.1 16V F:1005
R454 100 1/16W :CHIP
C460 0.1 16V F:1005
C462 0.01 16V B:CHIP
FSEL1
FROM P2
C (5/11)
MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P5

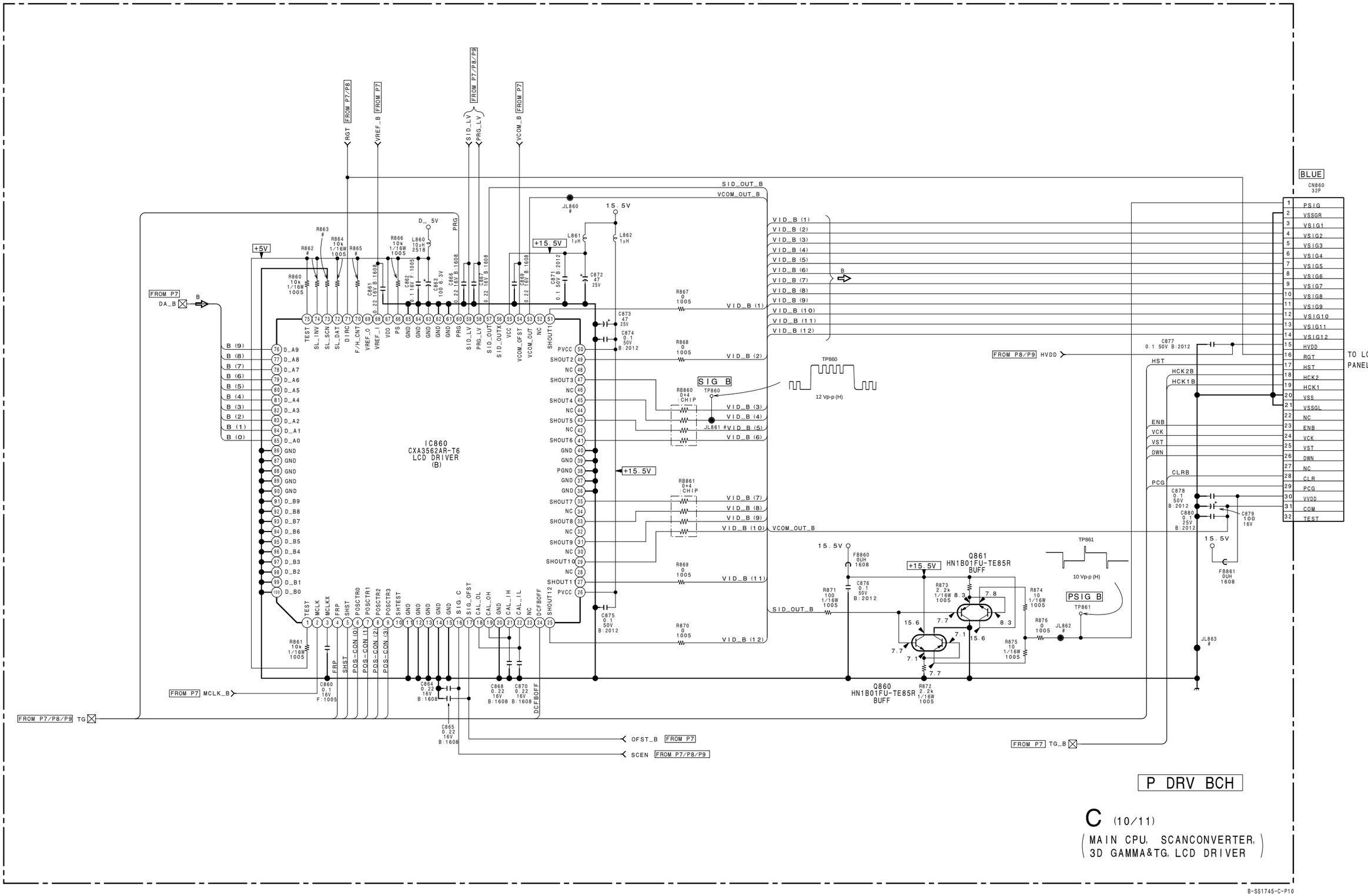

FROM P5
GBUS3
FROM/TO P1/P4
GSYNC
R/G/B
GRAPHIC PORT
GFBK
GVS1
GHS1
GCLK3
GVS3
GHS3
GPENSOG_OUT
FROM P5
RL00
RL01
RL02
RL03
RL04
RL05
RL06
RL07
GL00
GL01
GL02
GL03
GL04
GL05
GL06
GL07
BL00
BL01
BL02
BL03
BL04
BL05
BL06
BL07
RR00
RR01
RR02
RR03
RR04
RR05
RR06
RR07
GR00
GR01
GR02
GR03
GR04
GR05
GR06
GR07
BR00
BR01
BR02
BR03
BR04
BR05
BR06
BR07
R492
R499
R495
R494
R498
R496
R500
FROM P4
GETC
GBLKSPL
GCOAST
R501 22 1/16W 1005 GREF
R502
R504
R505
D_3.3V
L502 100uH 2518
X501 16.384MHz
C551 22 10V F:3216
C553 12p 50V CH:1005
C554 12p 50V CH:1005
C552 0.01 16V B:1005
IC506 ISS332M-SX1745 SPREAD SPECTRUM
X1/CLK
X2
VDD
PDTS
GND
SEL
CLK1
CLKS
D501 DAN202UT106 PROTECT
R488 1k 1/16W 1005
R490 1k 1/16W 1005
JL511
R491
C555 0.01 16V B:1005
R497 22 1/16W 1005
R503 22 1/16W 1005
IC504 S-80928ANMP- DDR-T2 RESET
R493 10k 1/16W 1005
C557 0.1 10V B:1005
C558
C556 1 10V F:1608
IC501 (1/5) PW265-10T SCANCONVERTER
IC505 TC7SET04FU (TE85R) INVERTER
RESETN
TO P1
IC501 (2/5) PW265-10T SCANCONVERTER
R511 10k 1/16W 1005
MS_VCLK
MS_VPEN
MS_V
MS_H
FROM P1
R485 10k 1/16W 1005
R487
R486 10k 1/16W 1005
R484
JL502
V_PORT
VY (0)
VY (1)
VY (2)
VY (3)
VY (4)
VY (5)
VY (6)
VY (7)
VUV (0)
VUV (1)
VUV (2)
VUV (3)
VUV (4)
VUV (5)
VUV (6)
VUV (7)
VCLK
VCLKEN
VPEN
VHS
VFIELD
VR/ /Y0
VR/ /Y1
VR/ /Y2
VR/ /Y3
VR/ /Y4
VR/ /Y5
VR/ /Y6
VR/ /Y7
VG/Y /U0
VG/Y /U1
VG/Y /U2
VG/Y /U3
VG/Y /U4
VG/Y /U5
VG/Y /U6
VG/Y /U7
VB/UV/V0
VB/UV/V1
VB/UV/V2
VB/UV/V3
VB/UV/V4
VB/UV/V5
VB/UV/V6
VB/UV/V7
GENERAL I/O PORT B
D_3.3V
R509 4.7k 1/16W 1005
R510 4.7k 1/16W 1005
FROM P1
SDA_PW
SCL_PW
FROM P2
PW
R512 100 1/16W 1005
PWFMBSY
INTERLACE
MUTE_SC
TXD_SC
RXD_SC
IC501 (3/5) PW265-10T SCANCONVERTER
MISC
BOOTWE
VPPEN
JL512
JL513
JL514
JL515
RESET
MCKEXT
IRRCVR0
IRRCVR1
RXD
TXD
PORTA0
PORTA1
PORTA2
PORTA3
PORTA4
PORTA5
PORTA6
PORTA7
BHENN
ROMOEN
ROMWEN
RAMOE
RAMWE
CS0
CS1
EXTINT
NMI
DTMB
DTCLK
CANMODE
PTSTEN
R514 4.7k 1/16W 1005
R515
R516
R517 0 1005
R519 0 1005
R518 0 1005
R520 10k 1/16W 1005
CN511 3P
RXD 1
GND 2
TXD 3
JL509
JL508
JL510
IC502 PQ2TZ15U REG
D3.3V
TP501
TP502
2.5V-2
JL501
C561 100 6.3V AL-CP
C562 0.1 10V B:1005
C563 47 6.3V AL-CP
FB501 0UH 4516
C576 0.1 16V F:1005
C578 0.1 16V F:1005
C580 0.1 16V F:1005
C582 0.1 16V F:1005
C584 0.1 16V F:1005
C586 0.1 16V F:1005
C588 0.1 16V F:1005
C590 0.1 16V F:1005
C592 0.1 16V F:1005
C575 22 10V F:3216
C577 0.1 16V F:1005
C579 0.1 16V F:1005
C581 0.1 16V F:1005
C583 0.1 16V F:1005
C585 0.1 16V F:1005
C587 0.1 16V F:1005
C589 0.1 16V F:1005
C591 0.1 16V F:1005
IC501 (5/5) PW265-10T SCANCONVERTER
VDD2.5
VDD3.3
GND
CN512 70P
GND A19 A18 A17 A16 A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 BHENN ROMOEN ROMWEN CS0 CS1 RESETN NMI FCEN BOOTWE VPPEN D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0 NC 5V
D_5V
TP503
TP504
3.2 Vp-p (H)
3 Vp-p (H)
PW_DCLK
3.4 Vp-p (H)
TO P7
PW_OUT
IC509 MX29LV800TTC-70G -SX1745 FROM
FB502 0UH 1608
C559 0.1 16V F:1005
C560 0.1 16V F:1005
R513 2.2k 1/16W 1005
FB503 0UH 1608
FB504 0UH 4516
IC501 (4/5) PW265-10T SCANCONVERTER
DCKEXT DCLK
DVS
DHS
DEN
PW_DCLK
PW_VSO
PW_DHS
TO P2
JL516
JL517
R506 10 1/16W 1005
R507 10 1/16W 1005
R508 10 1/16W 1005
RB501 10P4
RB502 10P4
RB503 10P4
RB504 10P4
RB505 10P4
RB506 10P4
PW_DRE (0)
PW_DRE (1)
PW_DRE (2)
PW_DRE (3)
PW_DRE (4)
PW_DRE (5)
PW_DRE (6)
PW_DRE (7)
PW_DGE (0)
PW_DGE (1)
PW_DGE (2)
PW_DGE (3)
PW_DGE (4)
PW_DGE (5)
PW_DGE (6)
PW_DGE (7)
PW_DBE (0)
PW_DBE (1)
PW_DBE (2)
PW_DBE (3)
PW_DBE (4)
PW_DBE (5)
PW_DBE (6)
PW_DBE (7)
C565 0.1 16V F:1005
C567 0.1 16V F:1005
C569 0.1 16V F:1005
C571 0.1 16V F:1005
C573 0.1 16V F:1005
C564 22 10V F:3216
C566 0.1 16V F:1005
C568 0.1 16V F:1005
C570 0.1 16V F:1005
C572 0.1 16V F:1005
C574 0.1 16V F:1005
PW
C (6/11)
MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P6

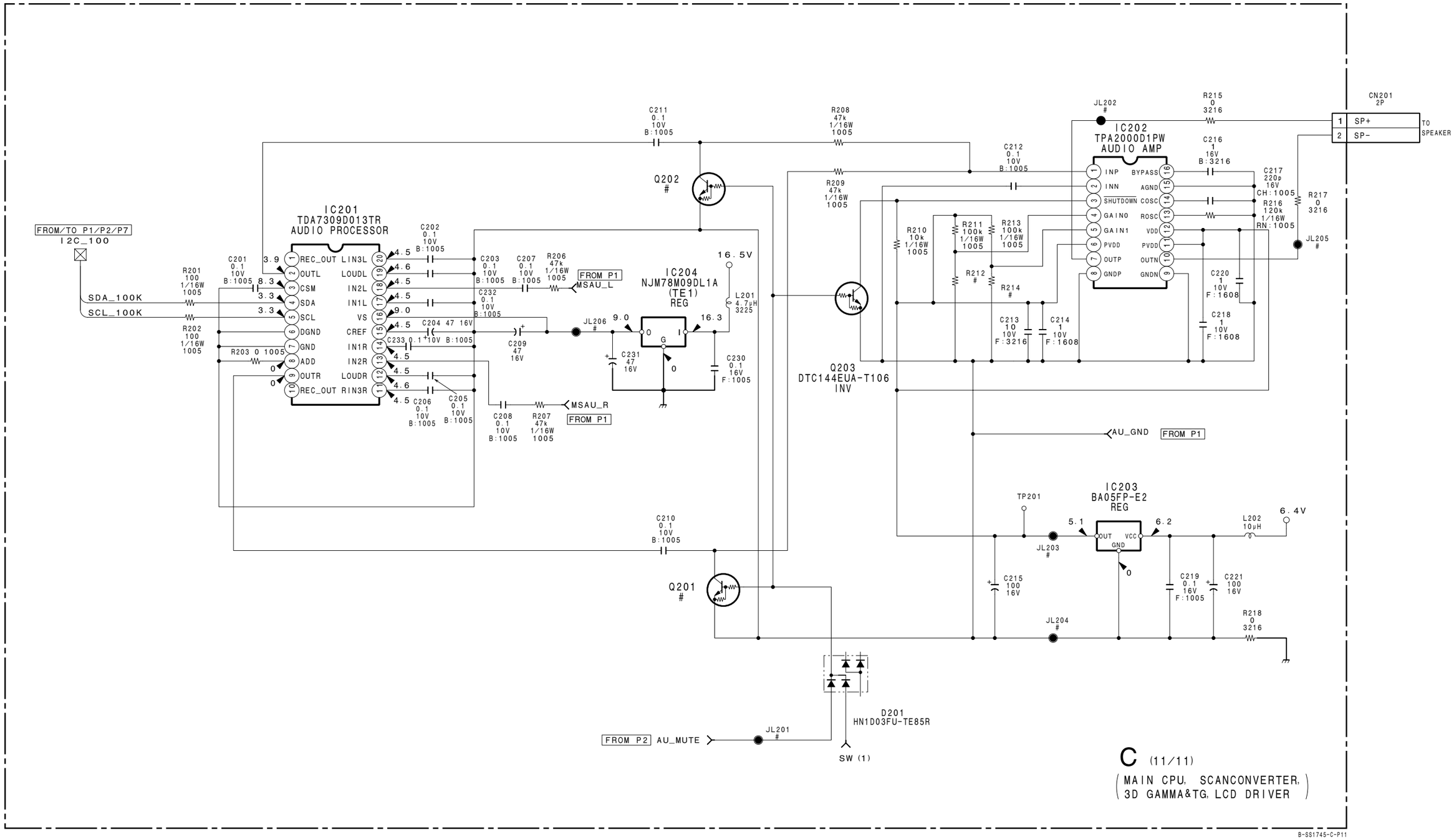

IC703 (1/3)
CXD9671
3D GAMMA&TG
IC702
PQ2TZ15U
REG
IC700 (2/3)
CXD9671
3D GAMMA&TG
IC700 (3/3)
CXD9671
3D GAMMA&TG
IC710
SN74LV04APWR
INV-BUFF
IC708
SN74LV541APWR
BUFF
IC709
SN74LV541APWR
BUFF
IC701
SN74LV08APWR
BUFF
IC707
M62392FP
DAC
Q701
DTC144EKA
INV-BUFF
Q700
HN1B01FU-TE85R
IC704
S-80928ANMP-DDR
-T2
RESET
IC705
HN58X24256FPIZ
EEPROM
Q702
HN1C03FU-TE85R
BUS SW
TO P10 DA_B
TO P9 DA_G
TO P8 DA_R
FROM P6 PW_OUT
PW_DCLK
FROM P2 PW_OSD_EN
FROM/TO P1/P2/P4 I2C_400
SDA_400K
SCL_400K
3D GAMMA
CN700
4P
MCLK_R TO P8
MCLK_G TO P9
MCLK_B TO P10
TG_R TO P8
TG_G TO P9
TG_B TO P10
TG
TO P8/P9/P10
I2C_100
FROM/TO P1/P2/P4
CLRG
SHST
CLRR
CLRB
DCFBOFF
POS-CON (0)
POS-CON (1)
POS-CON (2)
POS-CON (3)
HCK1R
HCK1G
HCK1B
HCK2R
HCK2G
HCK2B
FRP
PRG
ENB
HST
VST
VCK
PCG
DWN
SDA_100K
SCL_100K
OFST_R
OFST_G
OFST_B
VCOM_G
VCOM_B
3D GAMMA AND TG
C (7/11)
MAIN CPU, SCANCONVERTER,
3D GAMMA&TG, LCD DRIVER

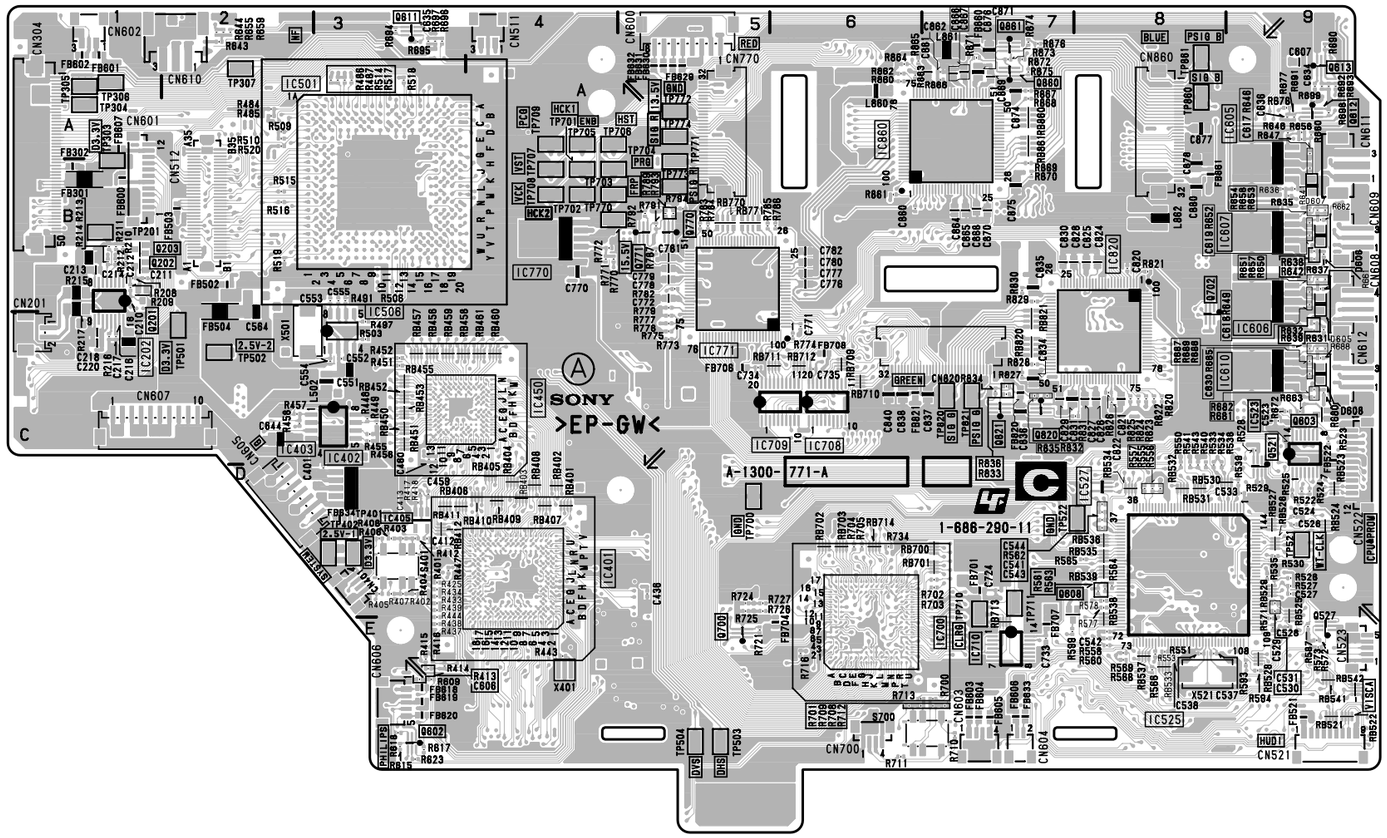
B-SS1745-C-P7


RGT FROM P7/P10
VREF_R FROM P7
SID_LV FROM P7/P9/P10
PRG_LV
VCOM_R FROM P7
SID_OUT_R
VCOM_OUT_R
D_5V
+5V
+15.5V
15.5V
PRG
DA_R FROM P7
IC771
CXA3562AR-T6
LCD DRIVER
(R)
IC772
TK11900MTL
REG
IC770
PQ20VZ1U
REG
Q771
HN1B01FU-TE85R
BUFF
Q770
HN1B01FU-TE85R
BUFF
SIG R
PSIG R
10 Vp-p (H)
RED
CN770
32P
TO LCD
PANEL (R)
FROM P7 MCLK_R
FROM P7/P9/P10 TG
FROM P2 REG_ON
OFST_R FROM P7
SCEN FROM P7/P9/P10
FROM P7 TG_R
P DRV RCH
C (8/11)
MAIN CPU, SCANCONVERTER,
3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P8


GREEN
CN820
32P
TO LCD PANEL (G)
IC820
CXA3562AR-T6
LCD DRIVER
(G)
SID_OUT_G
VCOM_OUT_G
FROM P7
FROM P7/P8/P10
RGTX
VREF_G
SID_LV
PRG_LV
VCOM_G
+5V
+15.5V
15.5V
D_5V
PRG
DA_G
G
VID_G (1)
VID_G (2)
VID_G (3)
VID_G (4)
VID_G (5)
VID_G (6)
VID_G (7)
VID_G (8)
VID_G (9)
VID_G (10)
VID_G (11)
VID_G (12)
SIG G
PSIG G
TP820
TP821
10 Vp-p (H)
HST
HCK1G
HCK2G
HVDD
ENB
VCK
VST
DWN
CLRG
PCG
NC
CLR
VVDD
COM
TEST
RGT
HCK1
HCK2
VSS
VSSGL
VSIG1
VSIG2
VSIG3
VSIG4
VSIG5
VSIG6
VSIG7
VSIG8
VSIG9
VSIG10
VSIG11
VSIG12
HVDD
PSIG
VSSGR
Q821
HN1B01FU-TE85R
BUFF
Q820
HN1B01FU-TE85R
BUFF
FROM P7 MCLK_G
FROM P7/P8/P10 TG
FROM P7 TG_G
OFST_G FROM P7
SCEN FROM P7/P8/P10
P DRV GCH
C (9/11)
MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P9


RGT
VREF_B
SID_LV
PRG_LV
VCOM_B
FROM P7/P8
FROM P7
FROM P7/P8/P9
SID_OUT_B
VCOM_OUT_B
JL860
15.5V
D_5V
+5V
+15.5V
PRG
L860 10μH 2518
L861 1μH
L862 1μH
R863 #
R864 10k 1/16W 1005
R865 #
R866 10k 1/16W 1005
R862 #
R860 10k 1/16W 1005
C861 0.22 16V B 1608
C862 0.1 16V F 1005
C863 100 6.3V
C866 0.22 16V B 1608
C867 0.22 16V B 1608
C869 0.22 16V B 1608
C871 0.1 50V B 2012
C872 47 25V
C873 47 25V
C874 0.1 50V B 2012
C875 0.1 50V B 2012
R867 0 1005
R868 0 1005
R869 0 1005
R870 0 1005
VID_B (1)
VID_B (2)
VID_B (3)
VID_B (4)
VID_B (5)
VID_B (6)
VID_B (7)
VID_B (8)
VID_B (9)
VID_B (10)
VID_B (11)
VID_B (12)
B
FROM P7
DA_B
B (9)
B (8)
B (7)
B (6)
B (5)
B (4)
B (3)
B (2)
B (1)
B (0)
D_A9
D_A8
D_A7
D_A6
D_A5
D_A4
D_A3
D_A2
D_A1
D_A0
GND
D_B9
D_B8
D_B7
D_B6
D_B5
D_B4
D_B3
D_B2
D_B1
D_B0
TEST
SL_INV
SL_SCN
SL_DAT
DIRC
F/H_CNT
VREF_O
VREF_I
VDD
PS
GND
PRG
SID_LV
PRG_LV
SID_OUT
SID_OUTX
VCC
VCOM_OFST
VCOM_OUT
NC
SHOUT1
PVCC
SHOUT2
SHOUT3
SHOUT4
SHOUT5
SHOUT6
PGND
SHOUT7
SHOUT8
SHOUT9
SHOUT10
SHOUT12
IC860
CXA3562AR-T6
LCD DRIVER
(B)
SIG B
TP860
12 Vp-p (H)
RB860 0×4 :CHIP
JL861 #
RB861 0×4 :CHIP
R861 10k 1/16W 1005
C860 0.1 16V F 1005
C864 0.22 16V B 1608
C865 0.22 16V B 1608
C868 0.22 16V B 1608
C870 0.22 16V B 1608
DCFBOFF
SIG_C
SIG_OFST
CAL_OH
CAL_OL
CAL_IH
CAL_IL
POS-CON (0)
POS-CON (1)
POS-CON (2)
POS-CON (3)
POSCTR0
POSCTR1
POSCTR2
POSCTR3
SHTEST
SHST
FRP
MCLK
MCLKX
FROM P7 MCLK_B
FROM P7/P8/P9 TG
OFST_B FROM P7
SCEN FROM P7/P8/P9
Q860
HN1B01FU-TE85R
BUFF
Q861
HN1B01FU-TE85R
BUFF
FB860 0UH 1608
FB861 0UH 1608
C876 0.1 50V B 2012
C877 0.1 50V B 2012
C878 0.1 50V B 2012
C879 100 16V
C880 0.1 25V B 2012
R871 100 1/16W 1005
R872 2.2k 1/16W 1005
R873 2.2k 1/16W 1005
R874 10 1/16W 1005
R875 10 1/16W 1005
R876 0 1005
JL862 #
JL863 #
TP861
10 Vp-p (H)
PSIG B
FROM P8/P9 HVDD
BLUE
CN860 32P
PSIG
VSSGR
VSIG1
VSIG2
VSIG3
VSIG4
VSIG5
VSIG6
VSIG7
VSIG8
VSIG9
VSIG10
VSIG11
VSIG12
HVDD
RGT
HST
HCK2
HCK1
VSS
VSSGL
NC
ENB
VCK
VST
DWN
NC
CLR
PCG
VVDD
COM
TEST
TO LCD PANEL (B)
HST
HCK2B
HCK1B
ENB
VCK
VST
DWN
CLRB
PCG
FROM P7 TG_B
P DRV BCH
C (10/11)
MAIN CPU, SCANCONVERTER, 3D GAMMA&TG, LCD DRIVER
B-SS1745-C-P10


FROM/TO P1/P2/P7
I2C_100
SDA_100K
SCL_100K
IC201
TDA7309D013TR
AUDIO PROCESSOR
REC_OUT LIN3L
OUTL LOUDL
CSM IN2L
SDA IN1L
SCL VS
DGND CREF
GND IN1R
ADD IN2R
OUTR LOUDR
REC_OUT RIN3R
IC204
NJM78M09DL1A
(TE1)
REG
16.5V
L201
4.7µH
3225
Q202
#
Q203
DTC144EUA-T106
INV
IC202
TPA2000D1PW
AUDIO AMP
INP BYPASS
INN AGND
SHUTDOWN COSC
GAIN0 ROSC
GAIN1 VDD
PVDD PVDD
OUTP OUTN
GNDP GNDN
CN201
2P
SP+
SP-
TO
SPEAKER
JL202
#
JL205
#
CH:1005
RN:1005
FROM P1
MSAU_L
MSAU_R
AU_GND
IC203
BA05FP-E2
REG
TP201
6.4V
JL203
#
JL204
#
Q201
#
D201
HN1D03FU-TE85R
JL201
#
FROM P2
AU_MUTE
SW (1)
C (11/11)
(MAIN CPU, SCANCONVERTER,
3D GAMMA&TG, LCD DRIVER)
B-SS1745-C-P11

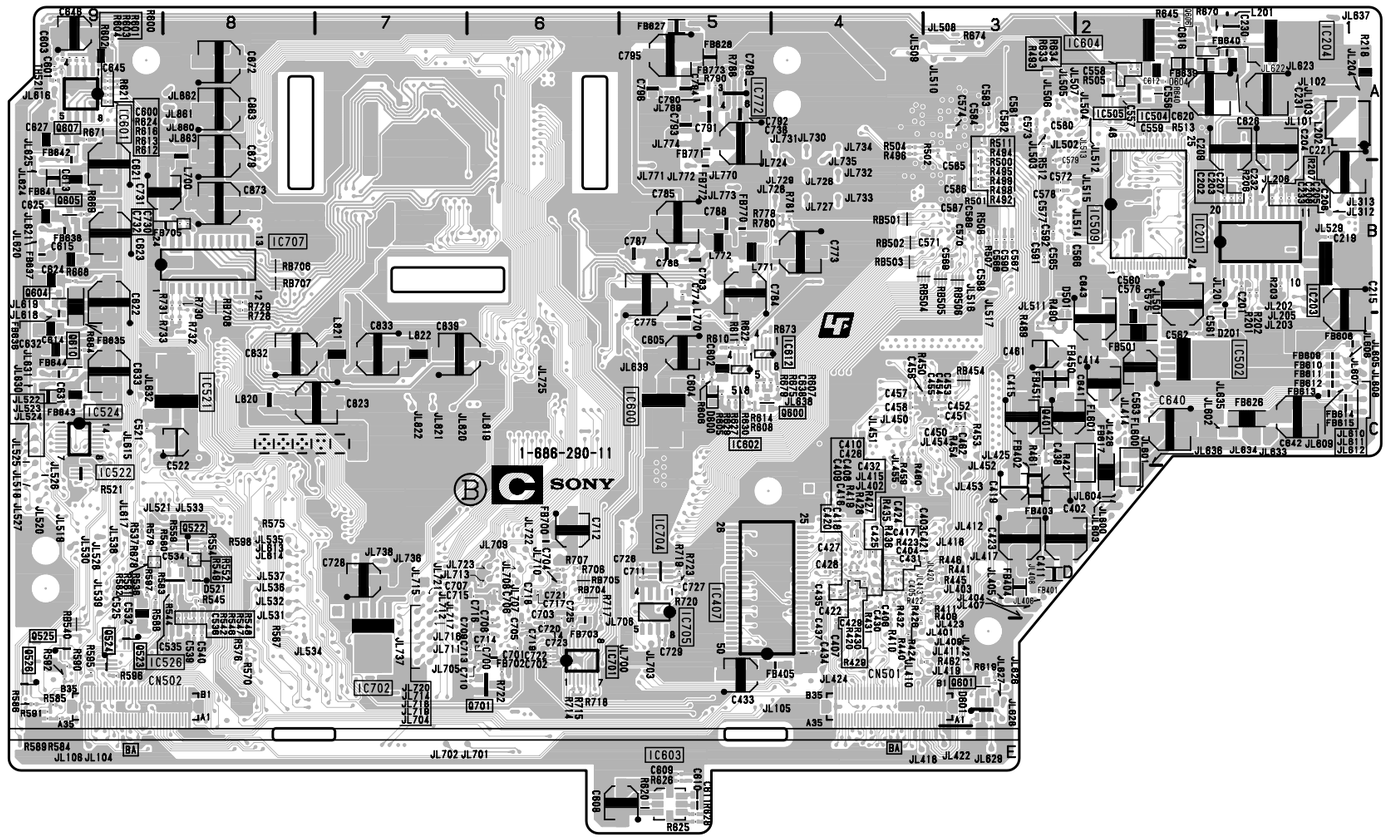


C Board

*:B SIDE

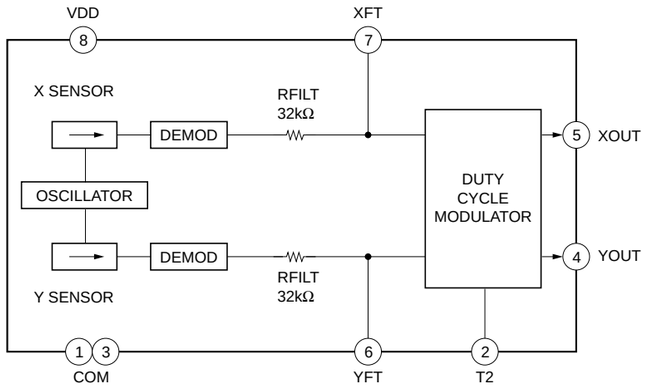
D201	*C-2	IC527	D-8	Q524	*E-9	TP401	D-3
D501	*B-3	IC600	*C-5	Q525	*E-9	TP402	D-3
D521	*D-8	IC601	*A-9	Q526	*E-9	TP501	C-2
D600	*C-5	IC602	*C-5	Q527	E-9	TP502	C-2
D601	*E-3	IC603	*E-5	Q600	*C-5	TP503	E-5
D604	*A-2	IC604	*A-2	Q601	*E-3	TP504	E-5
D605	C-9	IC605	A-9	Q602	E-3	TP521	D-9
D606	B-9	IC606	C-9	Q603	C-9	TP522	D-7
D607	B-9	IC607	B-8	Q604	*B-9	TP700	D-5
D608	C-9	IC610	C-9	Q605	*B-9	TP701	A-4
		IC612	*C-5	Q606	*A-2	TP702	B-4
IC201	*B-2	IC700	E-7	Q607	*A-9	TP703	B-4
IC202	B-1	IC701	*E-6	Q608	D-7	TP704	B-5
IC203	*B-1	IC702	*E-7	Q610	*C-9	TP705	A-4
IC204	*A-1	IC704	*D-5	Q611	A-3	TP706	A-4
IC401	D-4	IC705	*D-5	Q612	A-9	TP707	B-4
IC402	C-3	IC707	*B-8	Q613	A-9	TP708	B-4
IC403	C-2	IC708	C-6	Q700	E-5	TP709	A-4
IC405	D-3	IC709	C-6	Q701	*E-6	TP710	D-7
IC407	*D-5	IC710	E-7	Q702	B-8	TP711	D-7
IC450	C-3	IC770	B-4	Q770	B-5	TP770	B-4
IC501	A-2	IC771	B-5	Q771	B-5	TP771	B-5
IC502	*C-1	IC772	*A-5	Q820	C-7	TP772	A-5
IC504	*A-2	IC820	B-8	Q821	C-7	TP773	B-5
IC505	*A-2	IC860	A-6	Q860	A-7	TP774	A-5
IC506	C-3			Q861	A-7	TP820	C-7
IC509	*B-2	Q201	B-1			TP821	C-7
IC521	*C-8	Q202	B-1	TP201	A-1	TP860	A-8
IC522	*D-9	Q203	B-1	TP303	A-1	TP861	A-8
IC523	C-9	Q401	*C-3	TP304	A-1		
IC524	*C-9	Q521	C-9	TP305	A-1		
IC525	E-8	Q522	*D-8	TP306	A-1		
IC526	*D-8	Q523	*E-9	TP307	A-2		

C -A SIDE-
SUFFIX: -11

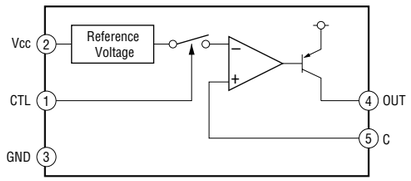


C -B SIDE-
SUFFIX: -11

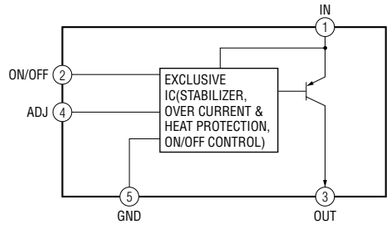
ADXL202JE-REEL (IC603)



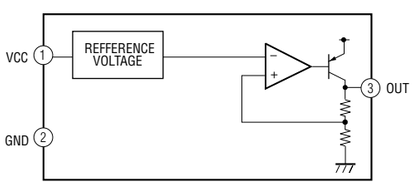
BA00ASFP-E2 (IC604-607, 610)



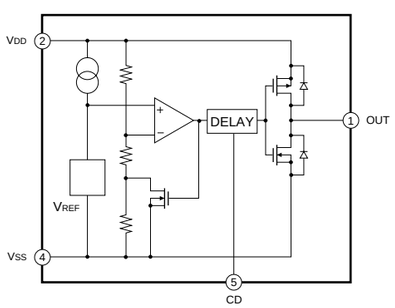
PQ20VZ1U (IC770)
PQ2TZ15U (IC402, 502, 702)



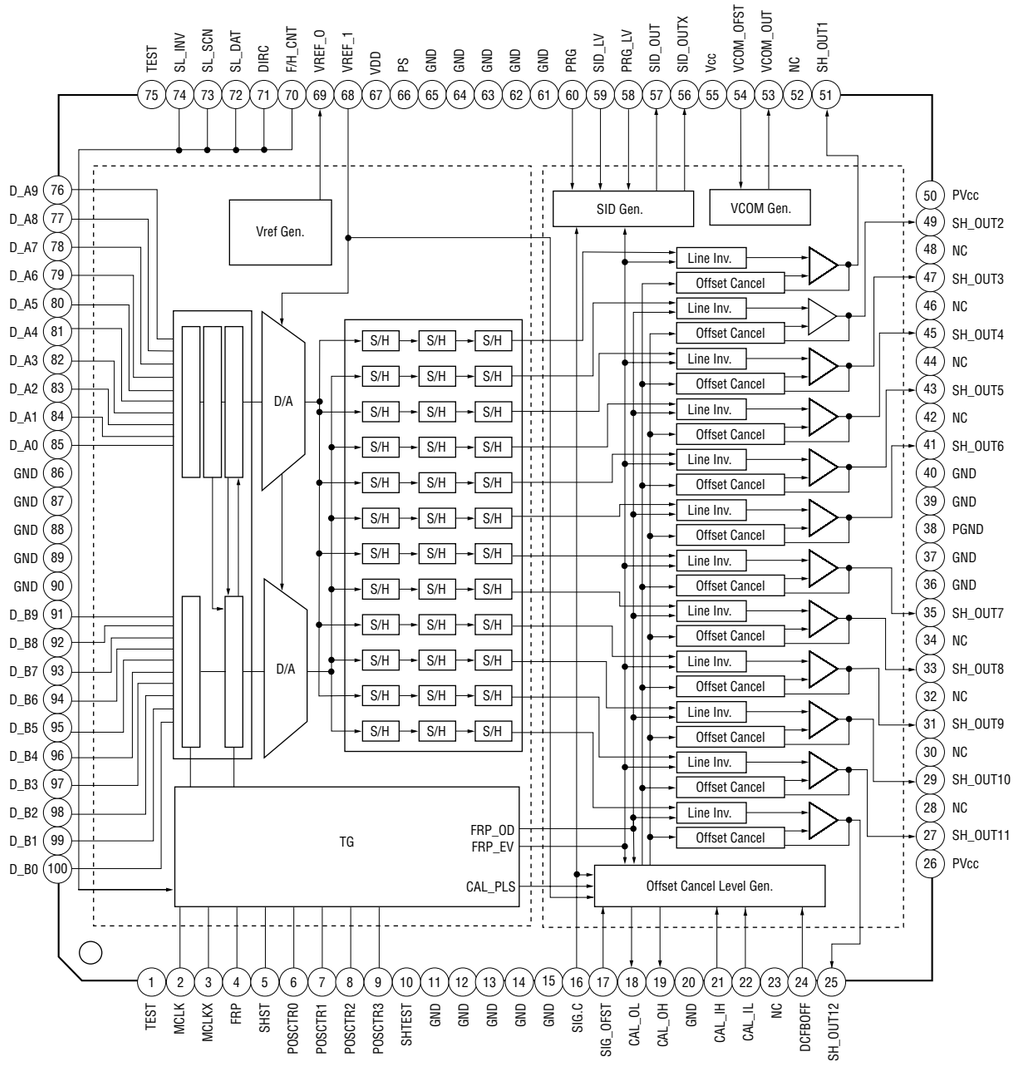
BA033FP-E2 (IC521)
BA05FP-E2 (IC600)



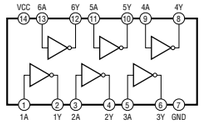
S-80928ANMP-DDR-T12 (IC405, 504, 526, 704)



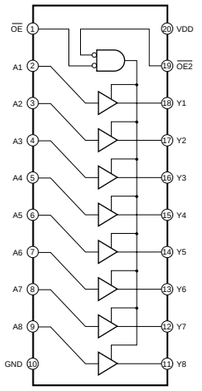
CXA3562AR-T6 (IC771, 820, 860)



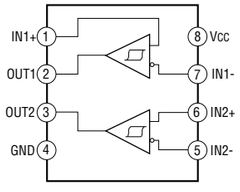
SN74LV04APWR (IC710)



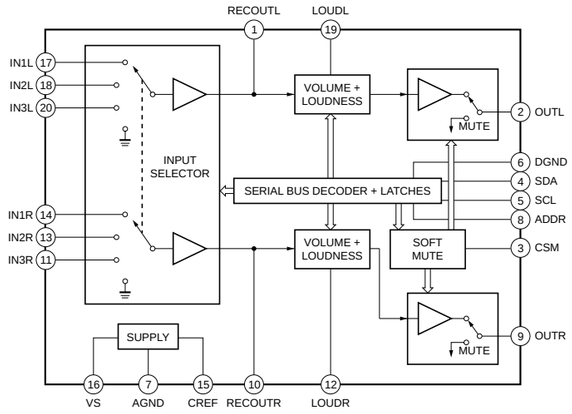
SN74LV541APWR (IC708, 709)



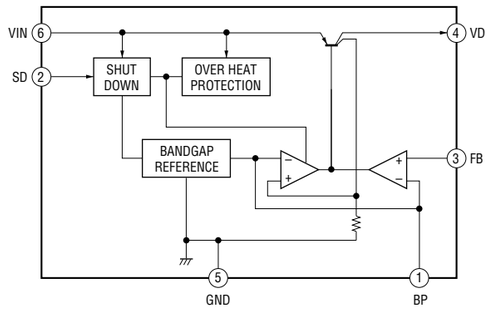
SN75157PS-EEL (IC403)



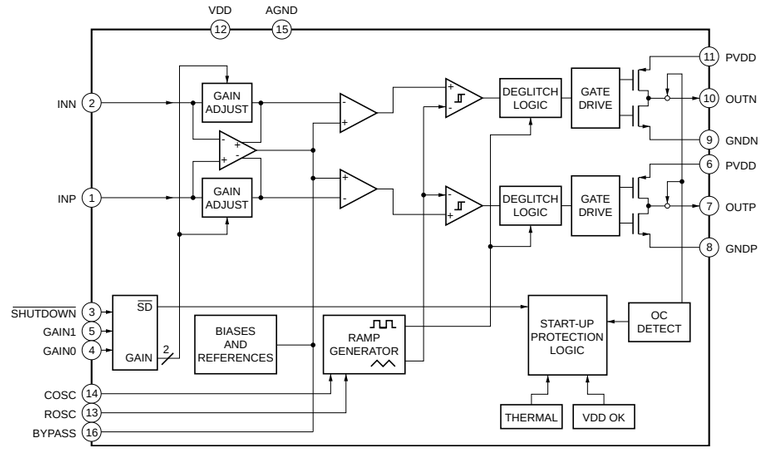
TDA7309D013TR (IC201)

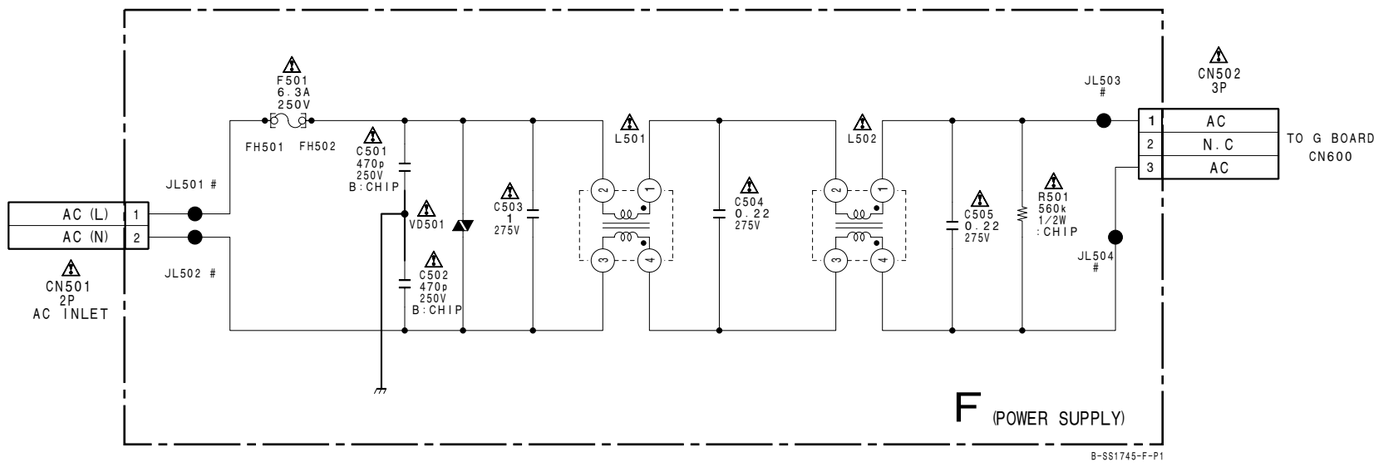


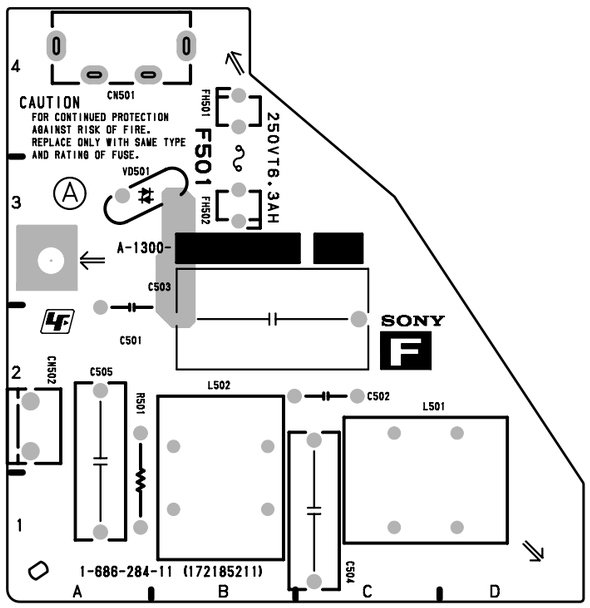
TK11900MTL (IC772)



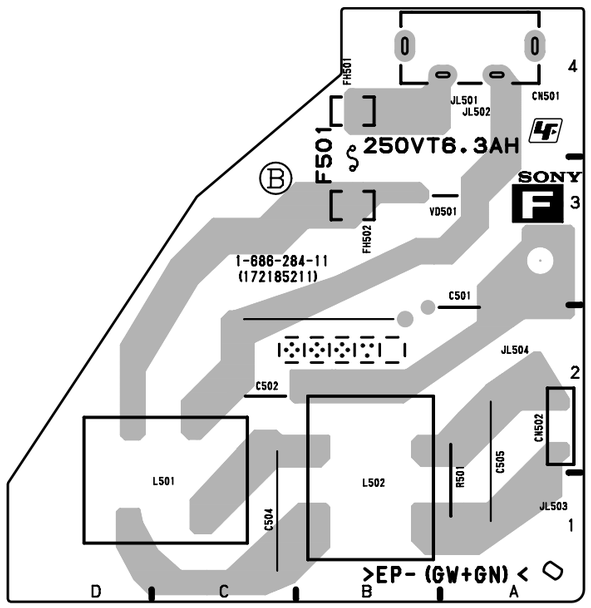
TPA2000D1PW (IC202)



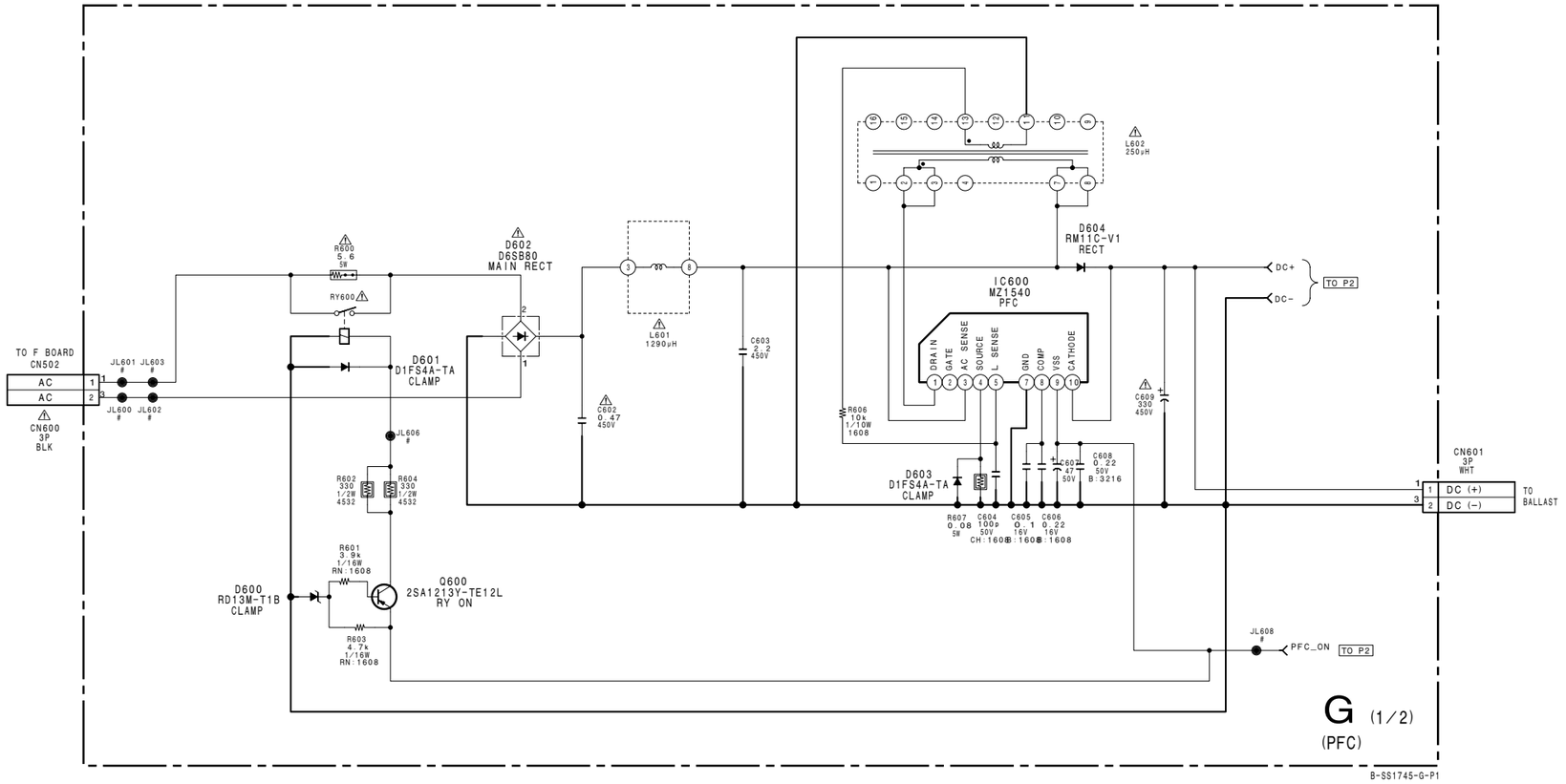




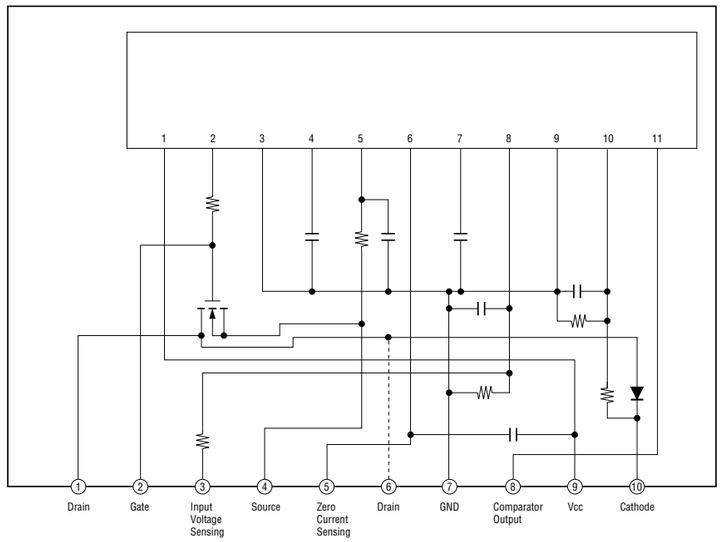
F -A SIDE-
SUFFIX: -11



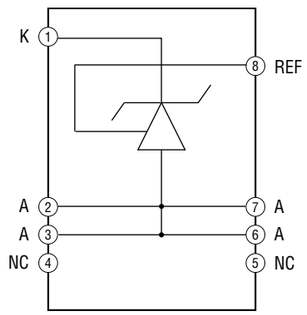
F -B SIDE-
SUFFIX: -11

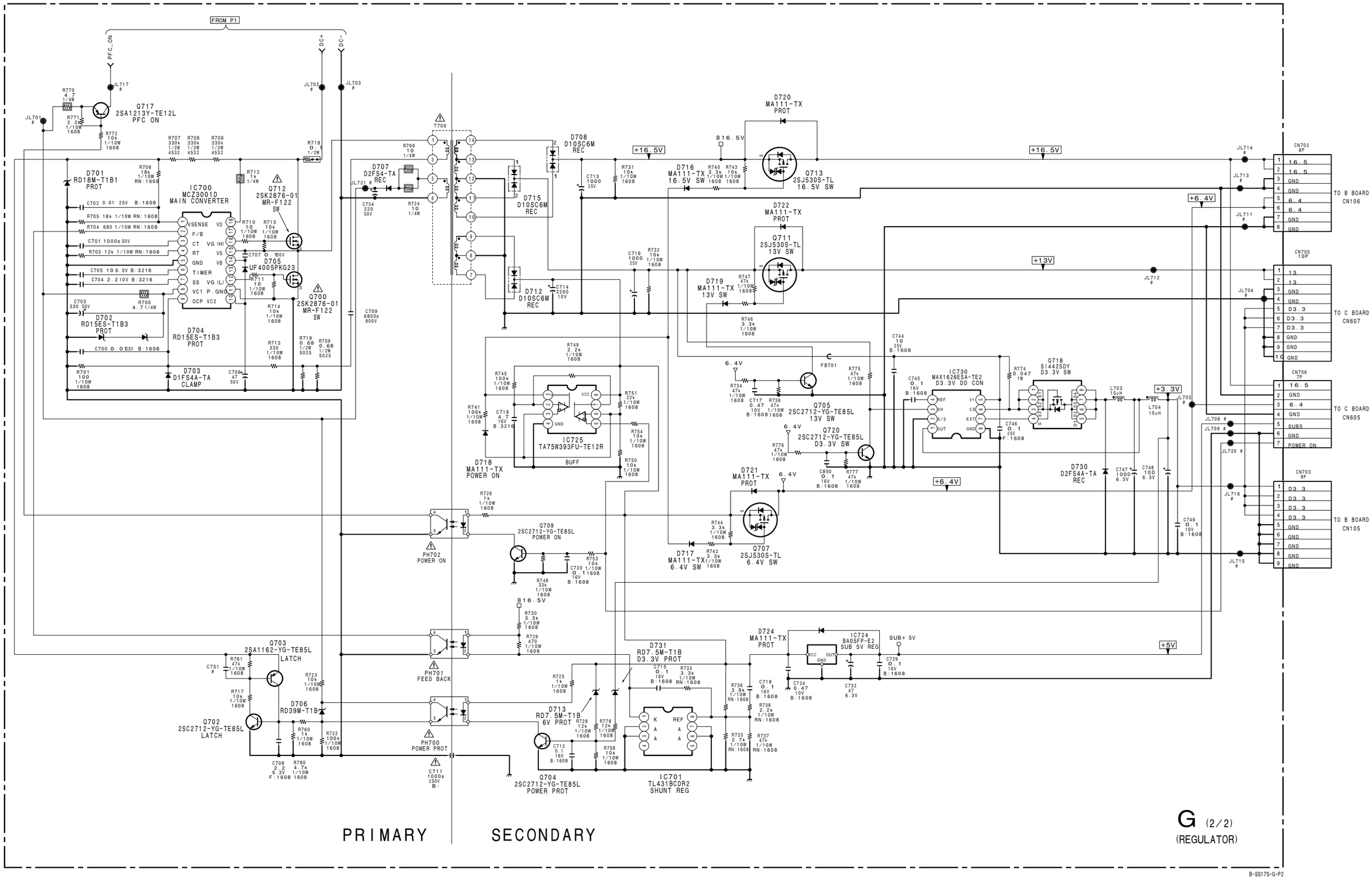


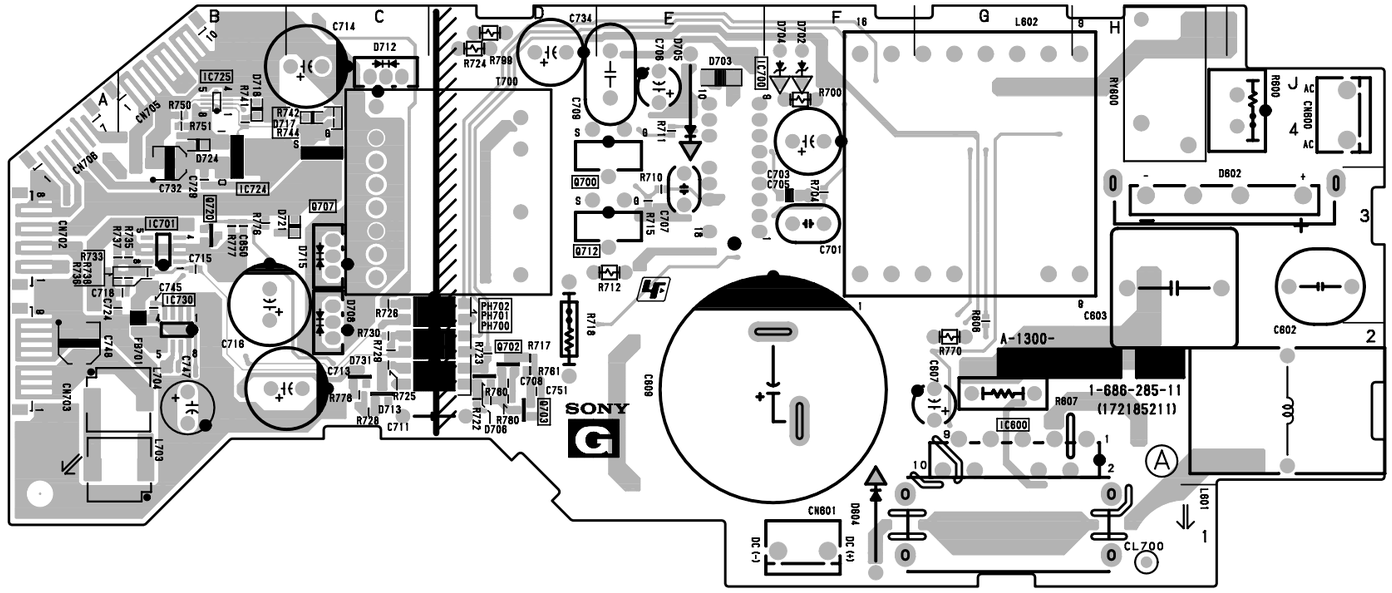
MZ1540 (IC600)



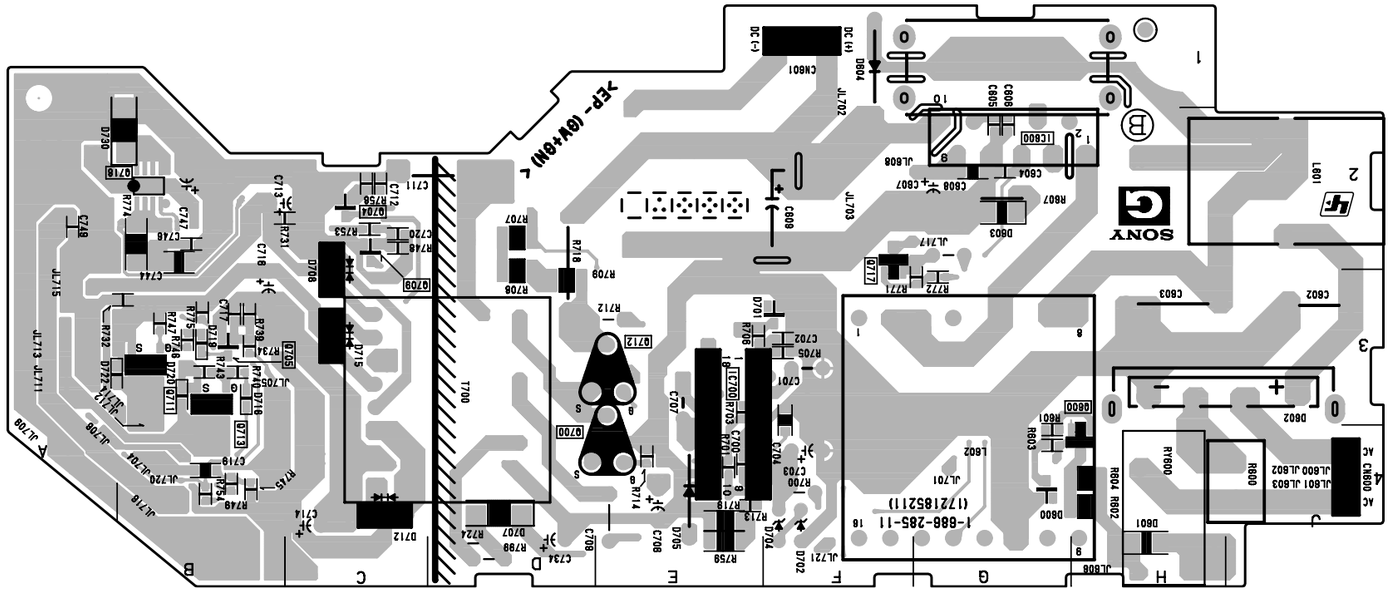
TL431BCDR2 (IC701)




FROM P1
PFC_ON
DC+
DC-
JL701 #
JL717 #
JL702 #
JL703 #
Q717 2SA1213Y-TE12L PFC ON
R770 4.7 1/4W
R771 2.2 1/10W 1608
R772 10k 1/10W 1608
R707 330k 1/2W 4532
R708 330k 1/2W 4532
R709 330k 1/2W 4532
R718 0.1 1/2W
R706 18k 1/10W RN:1608
D701 RD18M-T1B1 PROT
IC700 MCZ3001D MAIN CONVERTER
VSENSE VD
F/B
CT VG (H)
RT VS
GND VB
TIMER
SS VG (L)
VC1 P.GND
OCP VC2
C702 0.01 25V B:1608
R705 18k 1/10W RN:1608
R704 680 1/10W RN:1608
C701 1000p 50V
R703 1.2k 1/10W RN:1608
C705 10 6.3V B:3216
C704 2.2 10V B:3216
R700 4.7 1/4W
C703 330 50V
D702 RD15ES-T1B3 PROT
C700 0.047 25V B:1608
R701 100 1/10W 1608
D703 D1FS4A-TA CLAMP
C706 47 50V
D704 RD15ES-T1B3 PROT
R710 10 1/10W 1608
R715 10k 1/10W 1608
R711 10 1/10W 1608
R714 10k 1/10W 1608
R713 330 1/10W 1608
R719 0.68 1/2W 5025
R759 0.68 1/2W 5025
C707 0.15 50V
D705 UF4005PKG23
Q712 2SK2876-01 MR-F122 SW
Q700 2SK2876-01 MR-F122 SW
C709 6800p 800V
R712 1k 1/4W
T700
R799 10 1/4W
R724 10 1/4W
C734 220 50V
D707 D2FS4-TA REC
JL721 #
D708 D10SC6M REC
D715 D10SC6M REC
D712 D10SC6M REC
C713 1000 25V
C716 1000 25V
C714 2200 10V
R731 10k 1/10W 1608
R732 10k 1/10W 1608
+16.5V
B16.5V
D716 MA111-TX 16.5V SW
R740 3.3k 1/10W 1608
R743 10k 1/10W 1608
D720 MA111-TX PROT
Q713 2SJ530S-TL 16.5V SW
D722 MA111-TX PROT
Q711 2SJ530S-TL 13V SW
D719 MA111-TX 13V SW
R747 47k 1/10W 1608
R746 3.3k 1/10W 1608
+13V
JL712 #
C744 10 25V B:1608
FB701
6.4V
R734 47k 1/10W 1608
C717 0.47 10V B:1608
R739 47k 1/10W 1608
R775 47k 1/10W 1608
Q705 2SC2712-YG-TE85L 13V SW
R776 47k 1/10W 1608
Q720 2SC2712-YG-TE85L D3.3V SW
C850 0.1 16V B:1608
R777 47k 1/10W 1608
+6.4V
D721 MA111-TX PROT
R744 3.3k 1/10W 1608
Q707 2SJ530S-TL 6.4V SW
D717 MA111-TX 6.4V SW
R742 3.3k 1/10W 1608
IC730 MAX1626ESA-TE2 D3.3V DD CON
REF
SH
S/S
OUT
V+
CS
EXT
GND
C745 0.1 16V B:1608
C746 0.1 25V F:1608
R774 0.047 1W
Q718 SI4425DY D3.3V SW
L703 15µH
L704 10µH
+3.3V
JL705 #
D730 D2FS4A-TA REC
C747 1000 6.3V
C748 100 6.3V
C749 0.1 16V B:1608
R749 2.2k 1/10W 1608
R745 100k 1/10W 1608
R741 100k 1/10W 1608
C719 4.7 16V B:3216
IC725 TA75W393FU-TE12R
BUFF
R751 22k 1/10W 1608
R754 10k 1/10W 1608
R750 10k 1/10W 1608
D718 MA111-TX POWER ON
R726 1k 1/10W 1608
Q709 2SC2712-YG-TE85L POWER ON
PH702 POWER ON
R753 10k 1/10W 1608
C720 0.1 16V B:1608
R748 33k 1/10W 1608
B16.5V
R730 3.3k 1/10W 1608
R729 470 1/10W 1608
PH701 FEED BACK
Q703 2SA1162-YG-TE85L LATCH
R761 47k 1/10W 1608
C751 #
R723 10k 1/10W 1608
R717 10k 1/10W 1608
D706 RD39M-T1B
Q702 2SC2712-YG-TE85L LATCH
R760 1k 1/10W 1608
R722 100k 1/10W 1608
C708 2.2 6.3V F:1608
R780 4.7k 1/10W 1608
PH700 POWER PROT
C711 1000p 250V B:
D731 RD7.5M-T1B D3.3V PROT
C715 0.1 16V B:1608
R733 3.3k 1/10W RN:1608
R725 1k 1/10W 1608
D713 RD7.5M-T1B 6V PROT
R728 12k 1/10W 1608
R778 12k 1/10W 1608
C712 0.1 16V B:1608
R758 10k 1/10W 1608
Q704 2SC2712-YG-TE85L POWER PROT
IC701 TL431BCDR2 SHUNT REG
R736 3.9k 1/10W RN:1608
R735 2.7k 1/10W RN:1608
C718 0.1 16V B:1608
R738 2.2k 1/10W RN:1608
R737 47k 1/10W RN:1608
D724 MA111-TX PROT
IC724 BA05FP-E2 SUB 5V REG
VCC OUT GND
SUB+ 5V
+5V
C724 0.47 10V B:1608
C732 47 6.3V
C729 0.1 16V B:1608
CN702 8P
1 16.5
2 16.5
3 GND
4 GND
5 6.4
6 6.4
7 GND
8 GND
TO B BOARD CN106
CN705 10P
1 1.3
2 1.3
3 GND
4 GND
5 D3.3
6 D3.3
7 D3.3
8 GND
9 GND
10 GND
TO C BOARD CN607
CN706 7P
1 16.5
2 GND
3 6.4
4 GND
5 SUB5
6 GND
7 POWER ON
TO C BOARD CN605
CN703 9P
1 D3.3
2 D3.3
3 D3.3
4 D3.3
5 GND
6 GND
7 GND
8 GND
9 GND
TO B BOARD CN105
PRIMARY
SECONDARY
G (2/2)
(REGULATOR)
B-SS175-G-P2



G -A SIDE-
SUFFIX: -11



G -B SIDE-
SUFFIX: -11

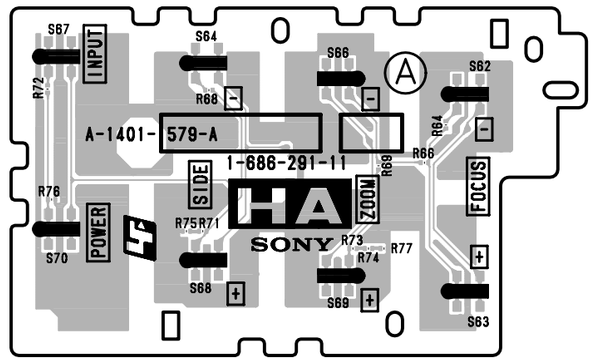
G Board

*:B SIDE

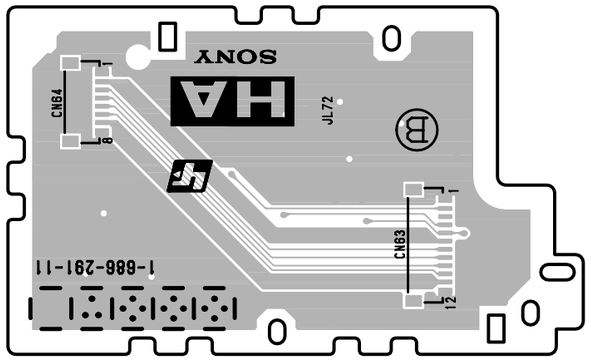
D600	*G-4
D601	*H-4
D602	H-2
D603	*G-2
D604	F-1
D701	*F-3
D702	F-4
D703	E-4
D704	F-4
D705	E-4
D706	D-2
D707	*D-4
D708	C-3
D712	C-4
D713	C-2
D715	C-3
D716	*B-3
D717	C-4
D718	B-4
D719	*B-3
D720	*B-3
D721	B-3
D722	*B-3
D724	B-4
D730	*B-2
D731	C-2

IC600	G-2
IC700	F-4
IC701	B-3
IC724	B-3
IC725	B-4
IC730	B-3

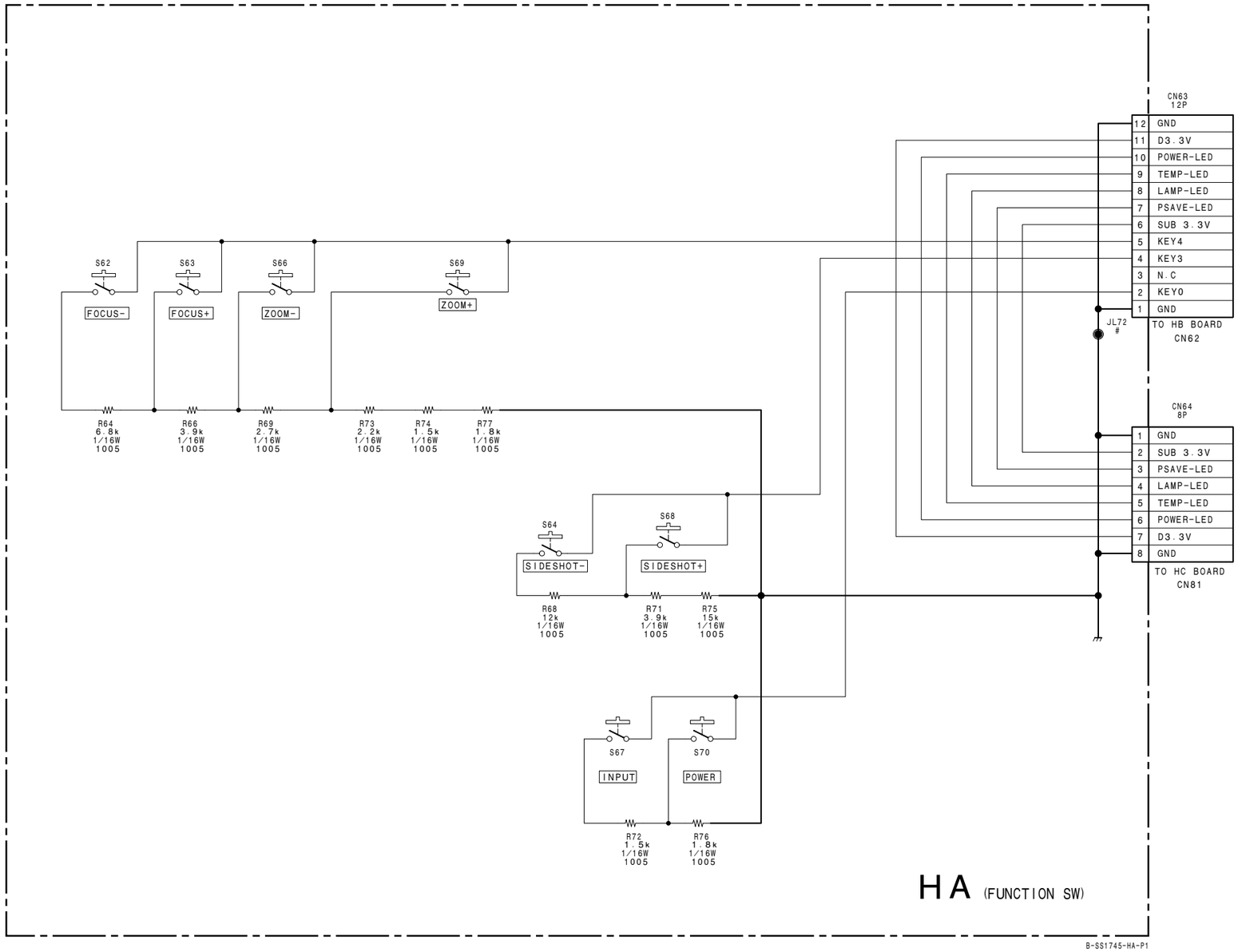
Q600	*H-4
Q700	D-3
Q702	D-2
Q703	D-2
Q704	*C-2
Q705	*B-3
Q707	C-3
Q709	*C-2
Q711	*B-3
Q712	D-3
Q713	*B-3
Q717	*F-2
Q718	*B-2
Q720	B-3

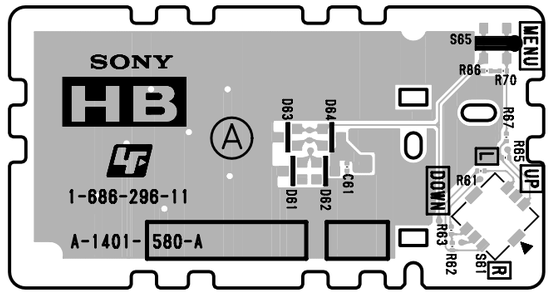


HA -A SIDE-
SUFFIX: -11

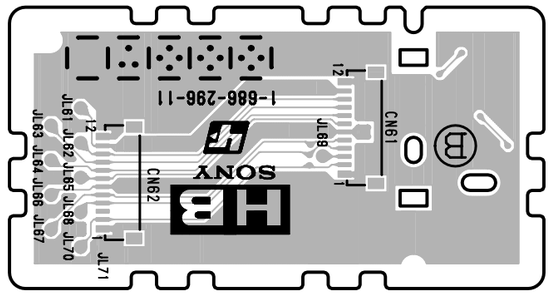


HA -B SIDE-
SUFFIX: -11

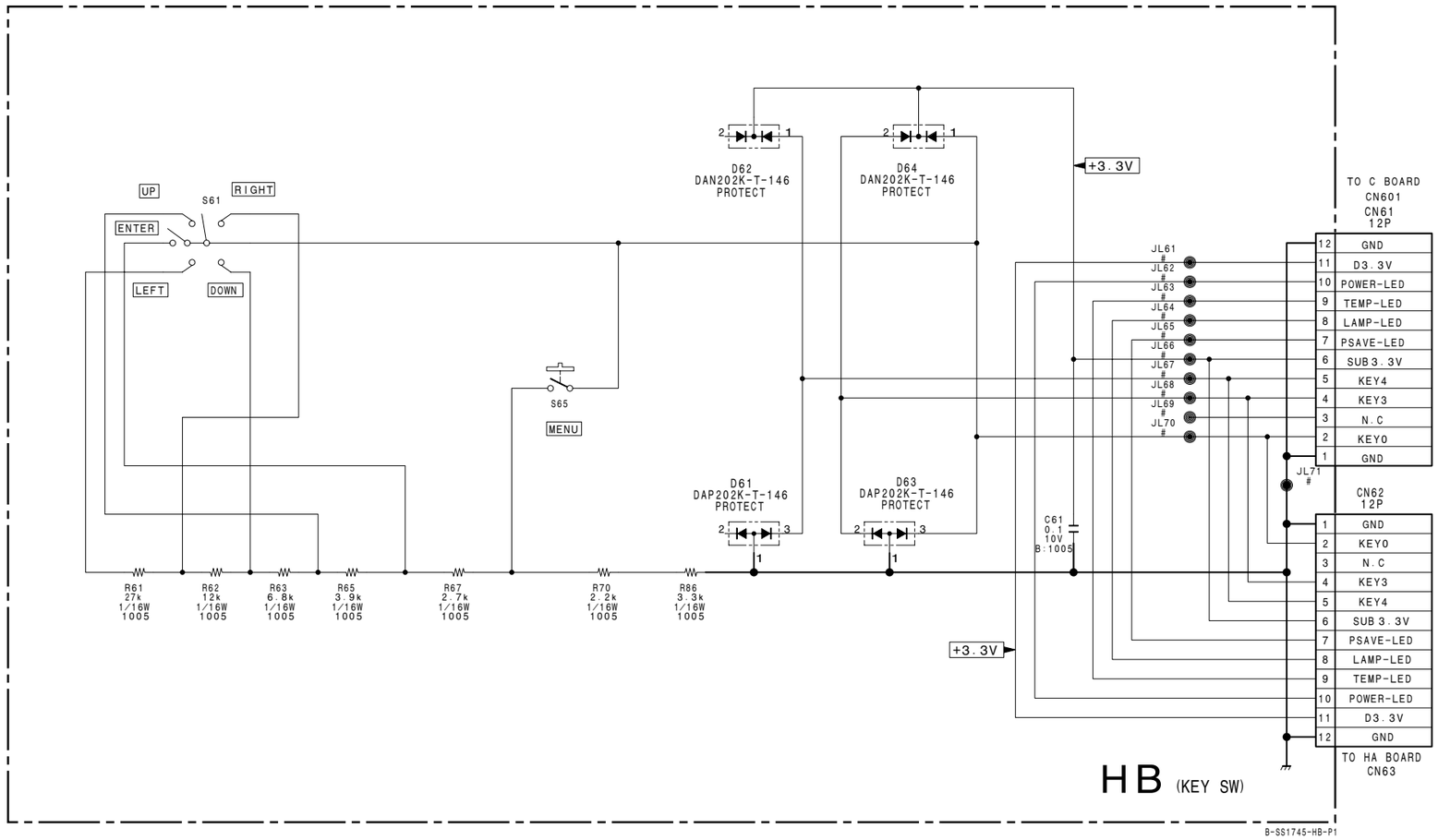


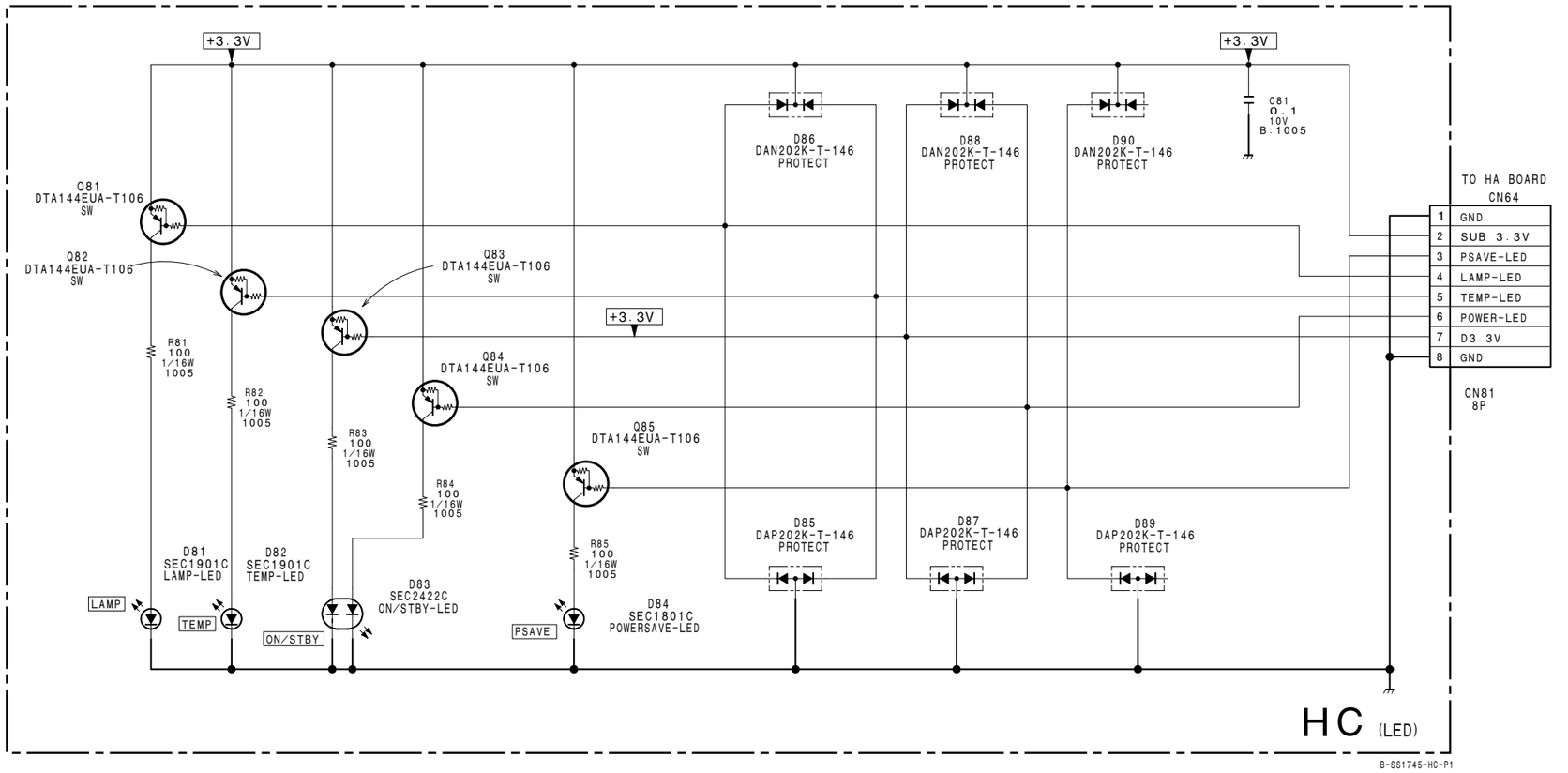


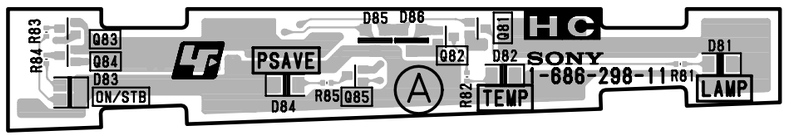
HB -A SIDE-
SUFFIX: -11



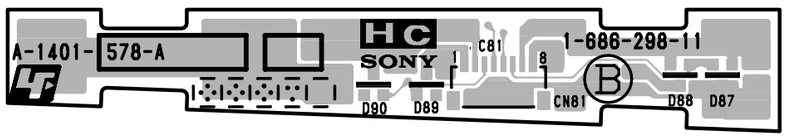
HB -B SIDE-
SUFFIX: -11



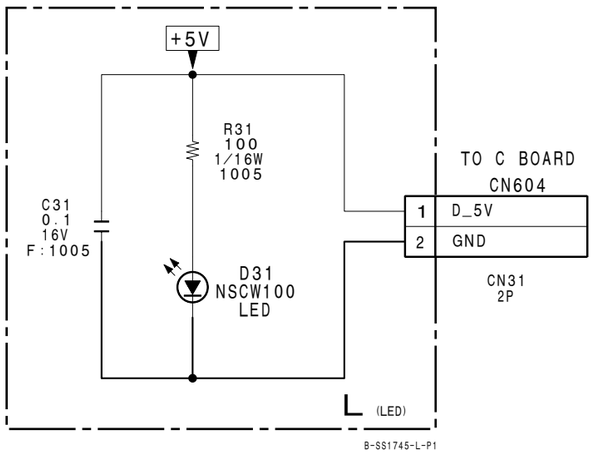




HC -A SIDE-
SUFFIX: -11



HC -B SIDE-
SUFFIX: -11



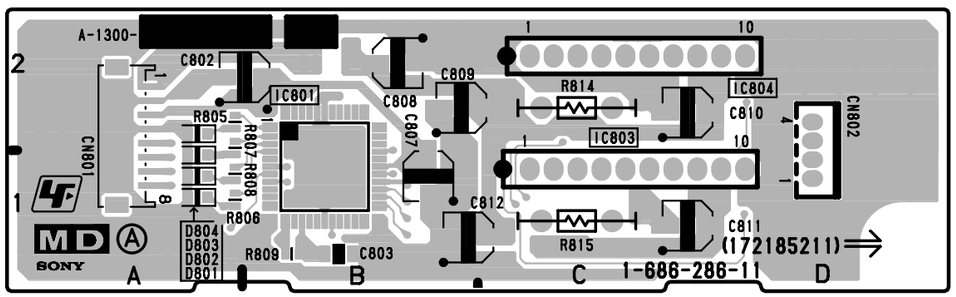
L -A SIDE-
SUFFIX: -11

L -B SIDE-
SUFFIX: -11

MD Board

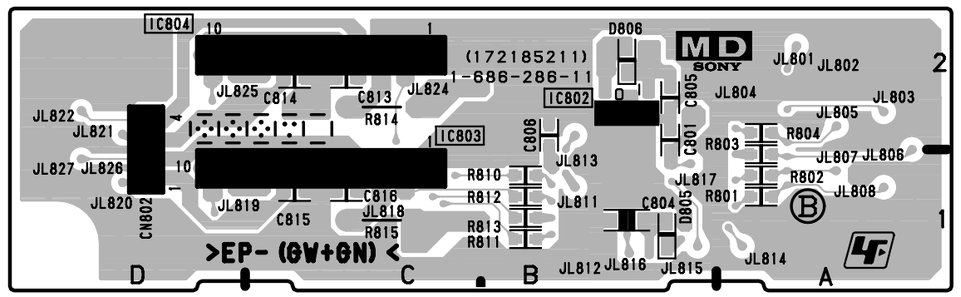
*:B SIDE

D801	A-1
D802	A-1
D803	A-1
D804	A-2
D805	*B-1
D806	*B-2
IC801	B-2
IC802	*B-2
IC803	C-2
IC804	D-2



MD -A SIDE-

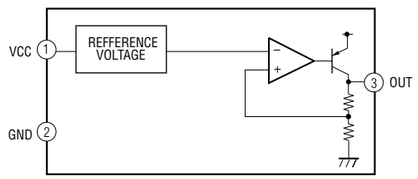
SUFFIX: -11



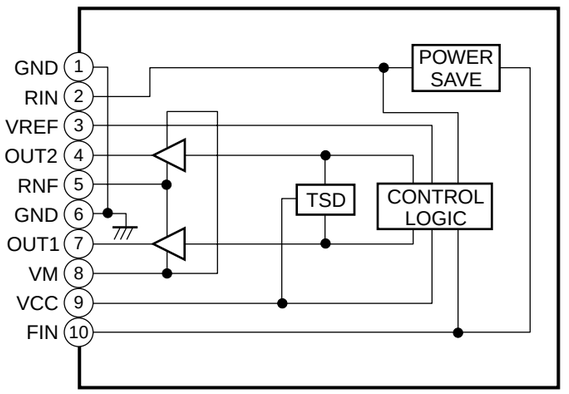
MD -B SIDE-

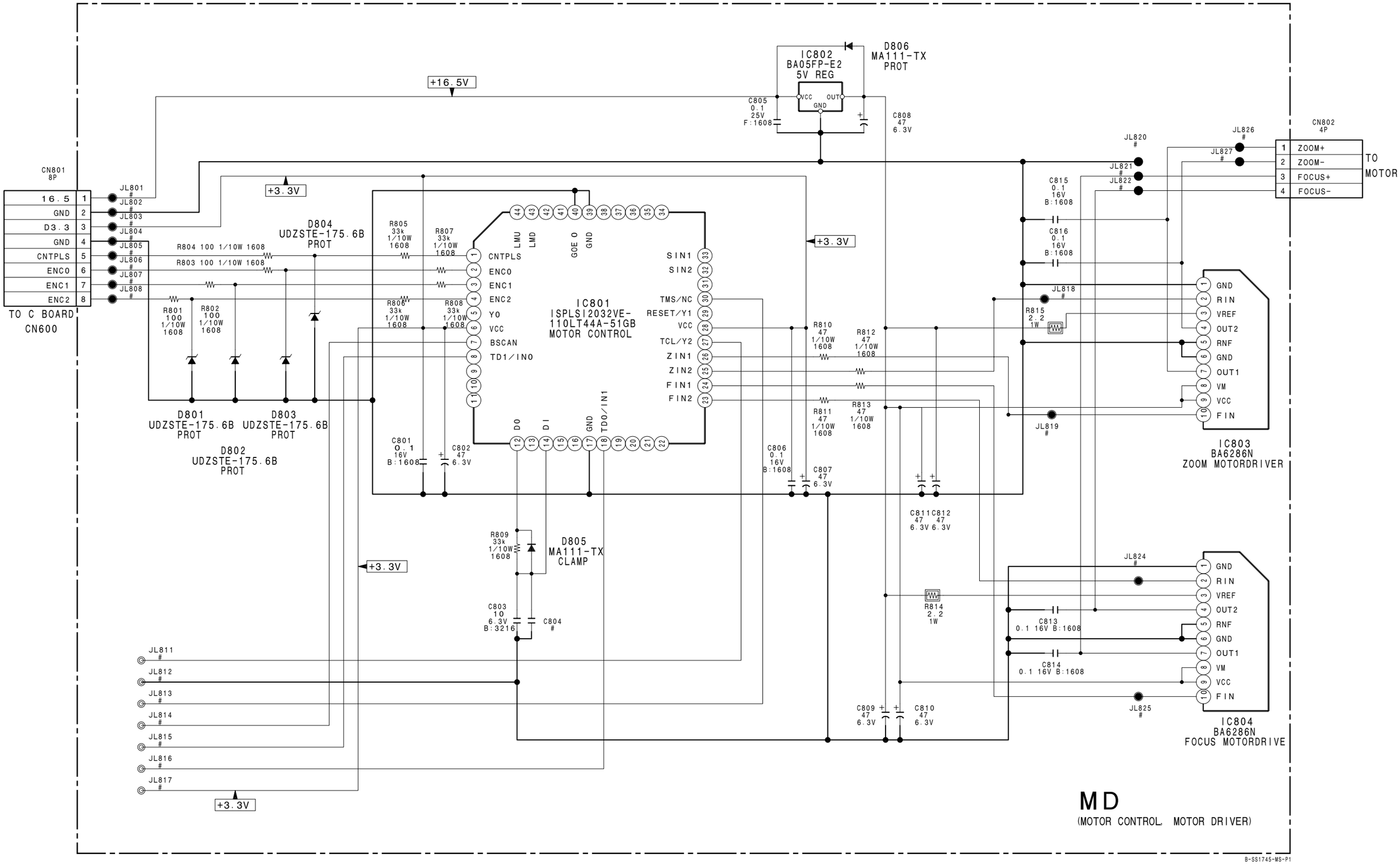
SUFFIX: -11

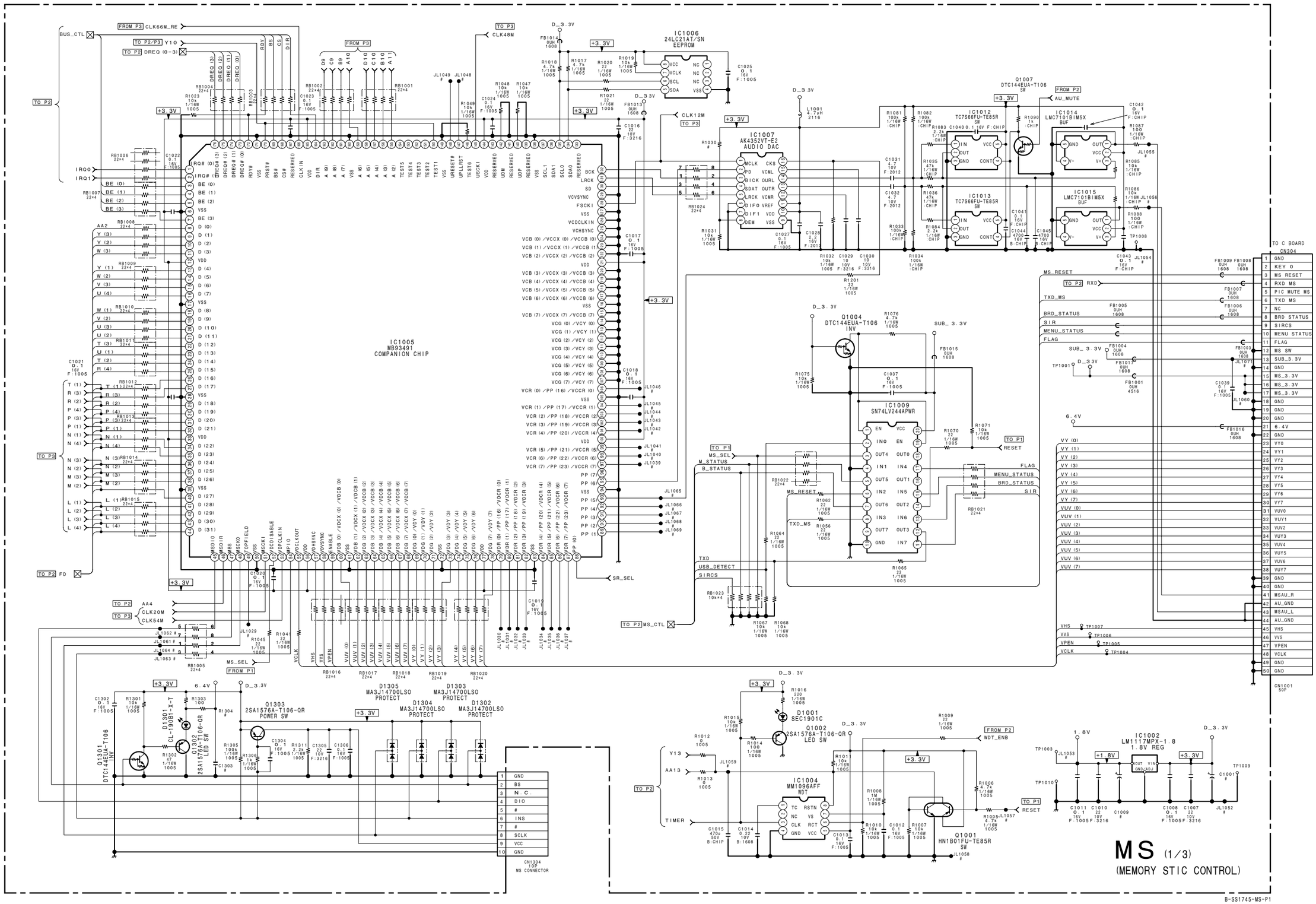
BA05FP-E2 (IC802)

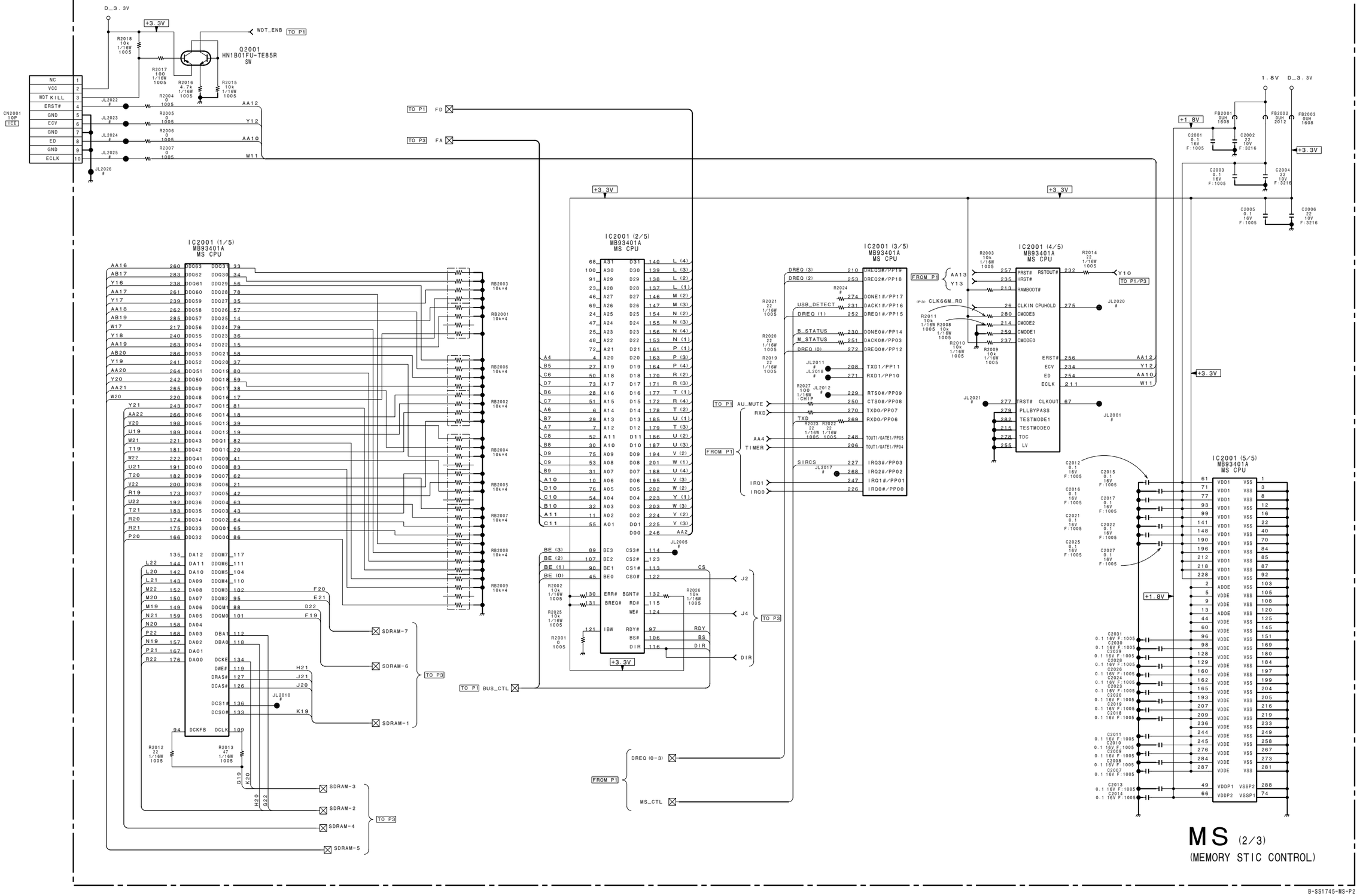


BA6286N (IC803, 804)



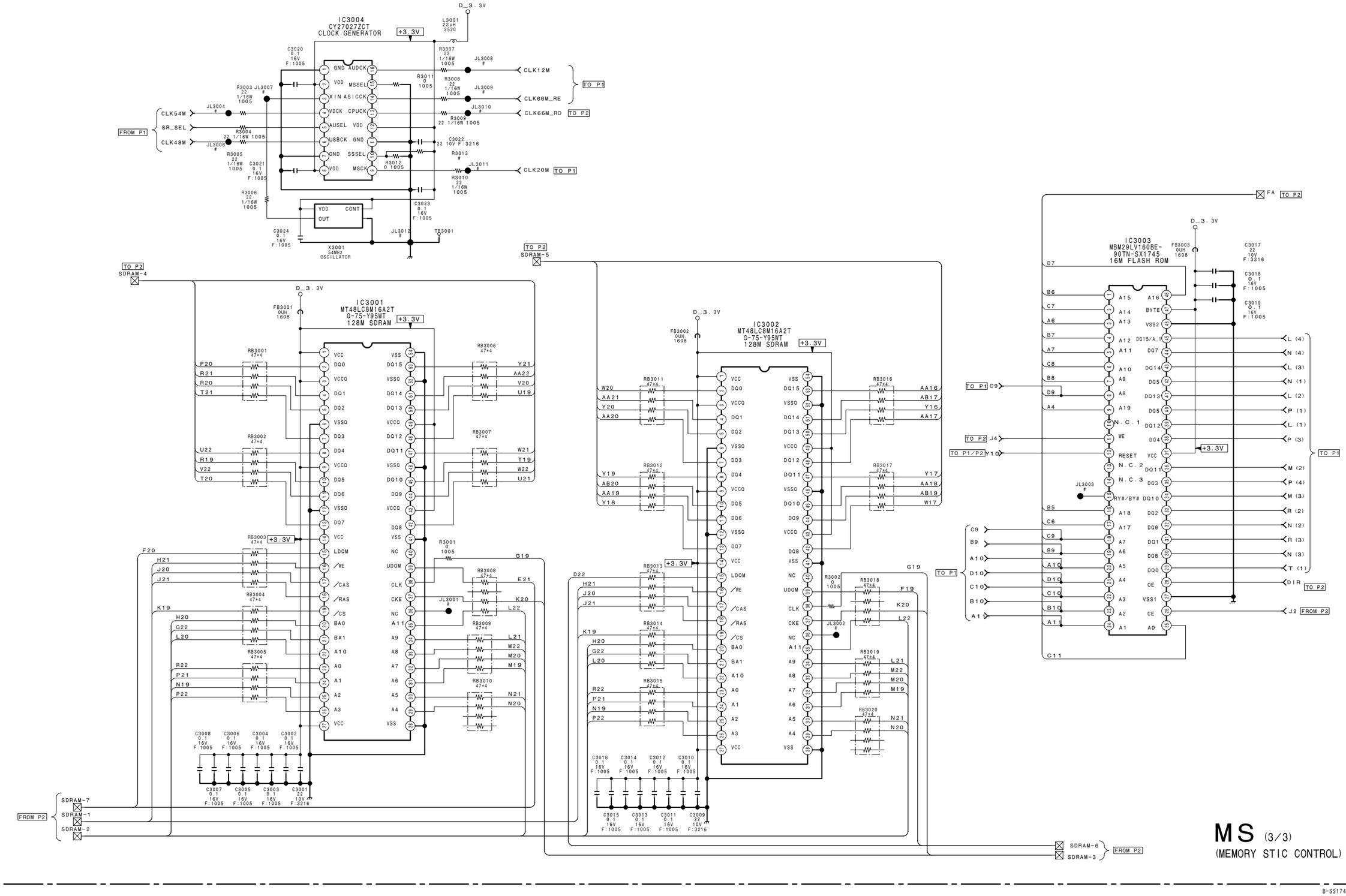

CN801
8P
16.5
GND
D3.3
GND
CNTPLS
ENC0
ENC1
ENC2
TO C BOARD
CN600
JL801
JL802
JL803
JL804
JL805
JL806
JL807
JL808
+16.5V
+3.3V
IC802
BA05FP-E2
5V REG
VCC
OUT
GND
D806
MA111-TX
PROT
C805
0.1
25V
F:1608
C808
47
6.3V
R804 100 1/10W 1608
R803 100 1/10W 1608
R801
100
1/10W
1608
R802
100
1/10W
1608
D804
UDZSTE-175.6B
PROT
R805
33k
1/10W
1608
R807
33k
1/10W
1608
R806
33k
1/10W
1608
R808
33k
1/10W
1608
D801
UDZSTE-175.6B
PROT
D803
UDZSTE-175.6B
PROT
D802
UDZSTE-175.6B
PROT
C801
0.1
16V
B:1608
C802
47
6.3V
IC801
ISPLSI2032VE-
110LT44A-51GB
MOTOR CONTROL
CNTPLS
ENC0
ENC1
ENC2
Y0
VCC
BSCAN
TD1/INO
LMU
LMD
GOE 0
GND
DO
DI
GND
TDO/IN1
SIN1
SIN2
TMS/NC
RESET/Y1
VCC
TCL/Y2
ZIN1
ZIN2
FIN1
FIN2
R809
33k
1/10W
1608
D805
MA111-TX
CLAMP
C803
10
6.3V
B:3216
C804
#
R810
47
1/10W
1608
R812
47
1/10W
1608
R811
47
1/10W
1608
R813
47
1/10W
1608
C806
0.1
16V
B:1608
C807
47
6.3V
C811 C812
47 47
6.3V 6.3V
JL820
JL821
JL822
JL826
JL827
CN802
4P
ZOOM+
ZOOM-
FOCUS+
FOCUS-
TO
MOTOR
C815
0.1
16V
B:1608
C816
0.1
16V
B:1608
JL818
R815
2.2
1W
JL819
GND
RIN
VREF
OUT2
RNF
GND
OUT1
VM
VCC
FIN
IC803
BA6286N
ZOOM MOTORDRIVER
JL824
R814
2.2
1W
C813
0.1 16V B:1608
C814
0.1 16V B:1608
JL825
C809
47
6.3V
C810
47
6.3V
IC804
BA6286N
FOCUS MOTORDRIVE
JL811
JL812
JL813
JL814
JL815
JL816
JL817
MD
(MOTOR CONTROL, MOTOR DRIVER)
B-SS1745-MS-P1


IC1005
MB93491
COMPANION CHIP
IC1006
24LC21AT/SN
EEPROM
IC1007
AK4352VT-E2
AUDIO DAC
IC1012
TC7S66FU-TE85R
SW
IC1013
TC7S66FU-TE85R
SW
IC1014
LMC7101BIM5X
BUF
IC1015
LMC7101BIM5X
BUF
Q1007
DTC144EUA-T106
SW
Q1004
DTC144EUA-T106
INV
IC1009
SN74LV244APWR
Q1301
DTC144EUA-T106
INV
D1301
CL-190B1-X-T
Q1302
2SA1576A-T106-QR
LED SW
Q1303
2SA1576A-T106-QR
POWER SW
D1305
MA3J14700LSO
PROTECT
D1304
MA3J14700LSO
PROTECT
D1303
MA3J14700LSO
PROTECT
D1302
MA3J14700LSO
PROTECT
D1001
SEC1901C
Q1002
2SA1576A-T106-QR
LED SW
IC1004
MM1096AFF
WDT
Q1001
HN1B01FU-TE85R
SW
IC1002
LM1117MPX-1.8
1.8V REG
CN1304
10P
MS CONNECTOR
CN1001
50P
TO C BOARD
CN304
MS (1/3)
(MEMORY STIC CONTROL)
B-SS1745-MS-P1

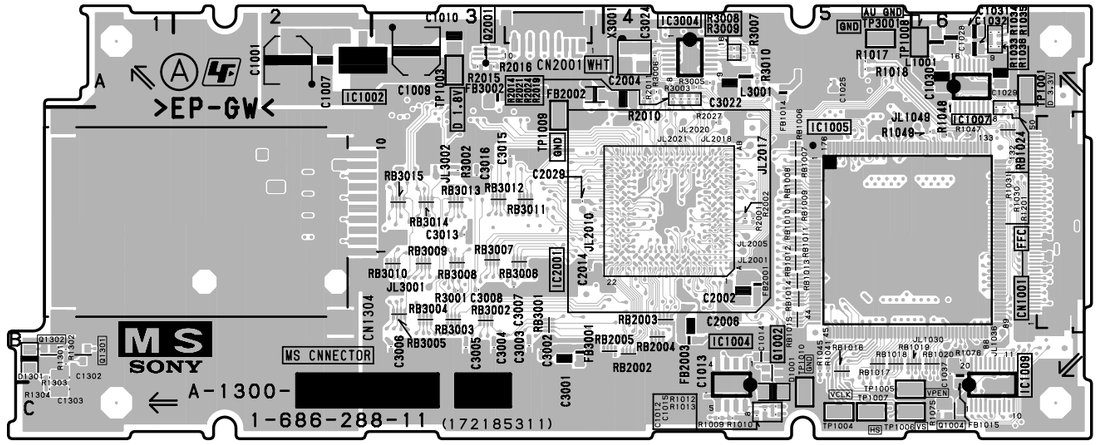


MS (2/3)
(MEMORY STIC CONTROL)

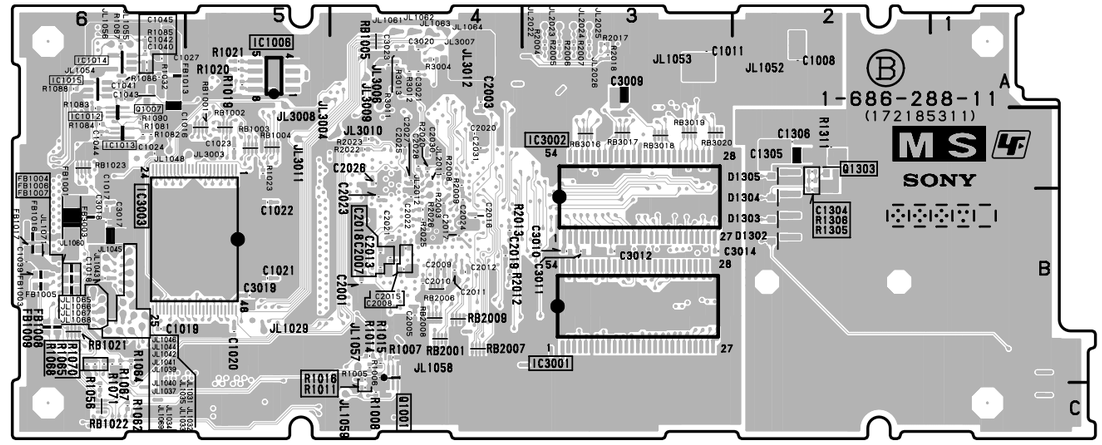
B-SS1745-MS-P2



B-SS1745-MS-P3



MS -A SIDE-
SUFFIX: -11



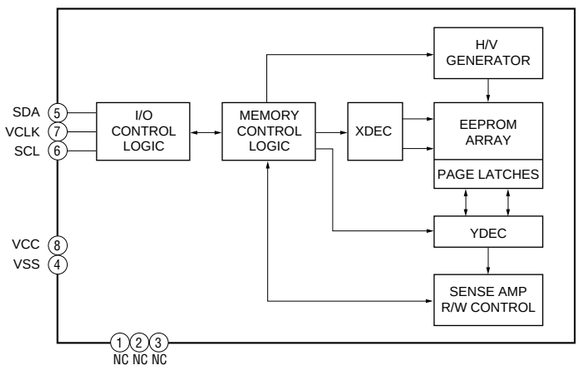
MS -B SIDE-
SUFFIX: -11

MS Board

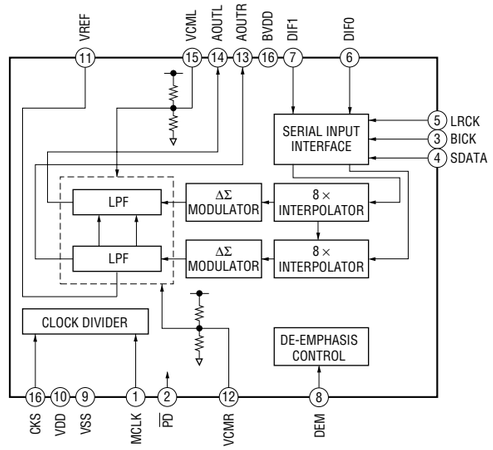
*:B SIDE

D1001	B-5	IC1015	*A-6	TP1001	A-6
D1301	B-1	IC2001	B-4	TP1003	A-3
D1302	*B-2	IC3001	*B-3	TP1004	C-5
D1303	*B-2	IC3002	*A-3	TP1005	C-5
D1304	*B-2	IC3003	*B-6	TP1006	C-5
D1305	*A-2	IC3004	A-4	TP1007	C-5
IC1002	A-2	Q1001	*B-4	TP1008	A-5
IC1004	B-4	Q1002	B-5	TP1009	A-3
IC1005	A-5	Q1004	C-6	TP1010	B-5
IC1006	*A-5	Q1007	*A-6	TP3001	A-5
IC1007	A-6	Q1301	B-1		
IC1009	B-6	Q1302	B-1		
IC1012	*A-6	Q1303	*A-2		
IC1013	*A-6	Q2001	A-3		
IC1014	*A-6				

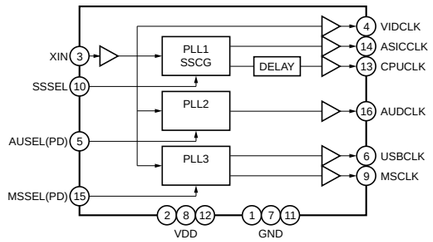
24LC21AT/SN (IC1006)



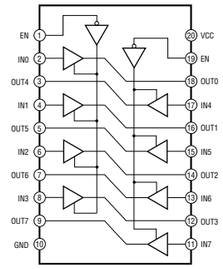
AK4352VT-E2 (IC1007)



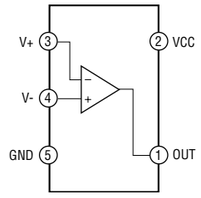
CY27027ZCT (IC3004)



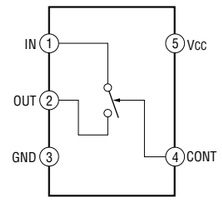
SN74LV244APWR (IC1009)

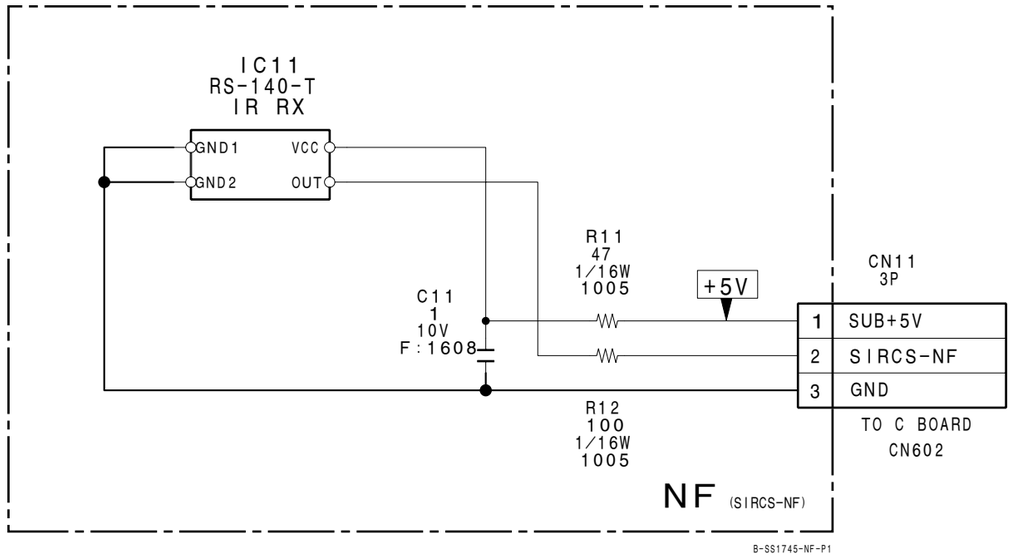


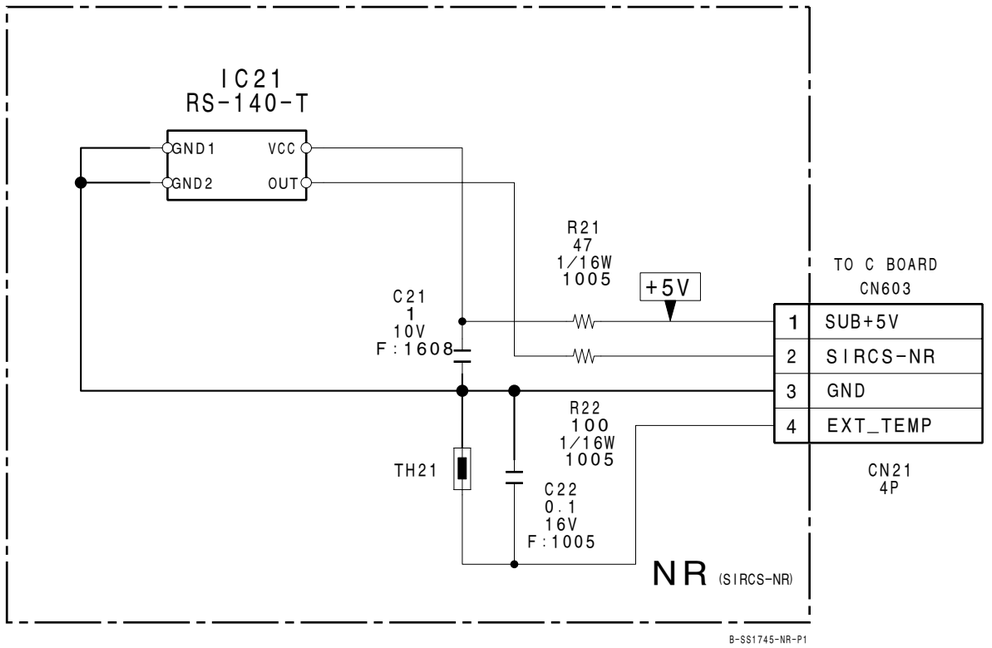
LMC7101BIM5X (IC1014, 1015)

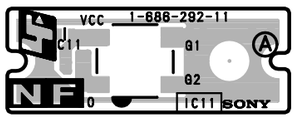


TC7S66FU-TE85R (IC1012, 1013)

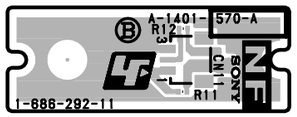




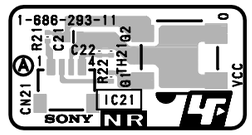




NF -A SIDE-
SUFFIX: -11

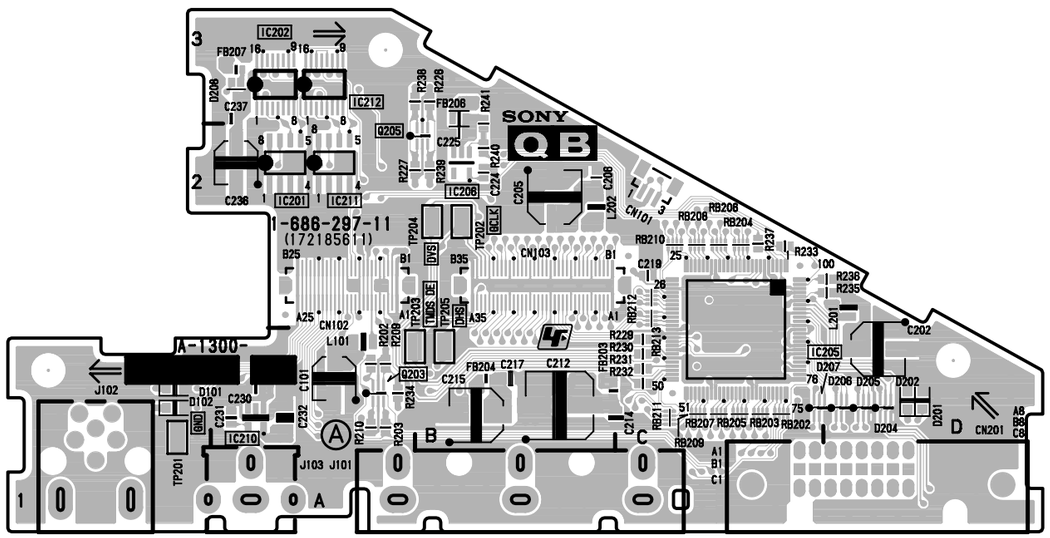


NF -B SIDE-
SUFFIX: -11

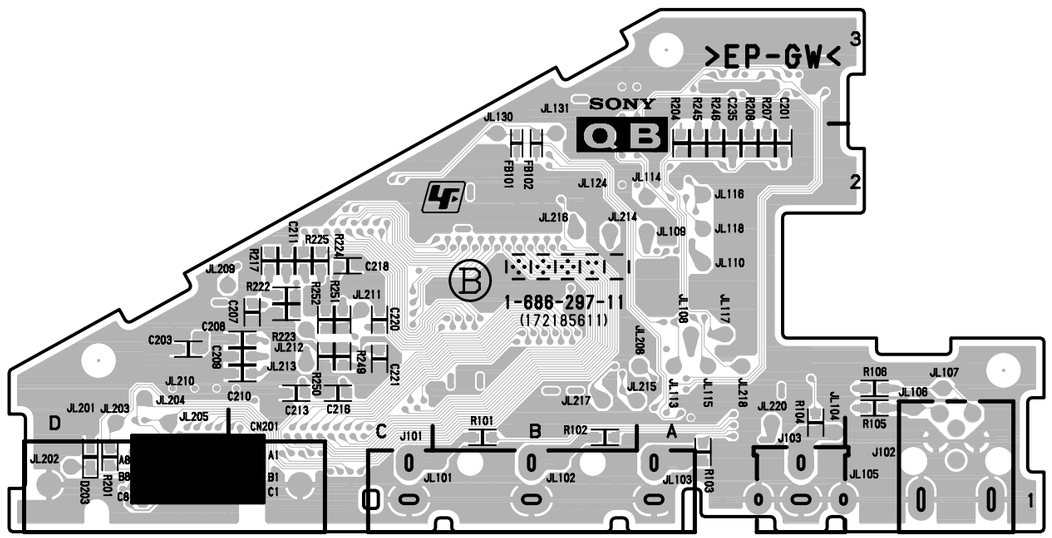


NR -A SIDE-
SUFFIX: -11

NR -B SIDE-
SUFFIX: -11



QB -A SIDE-
SUFFIX: -11



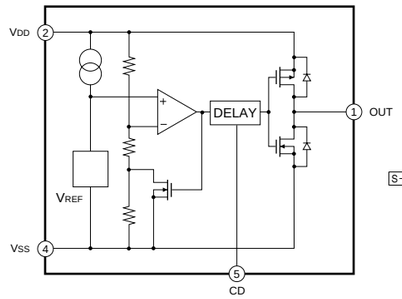
QB -B SIDE-
SUFFIX: -11

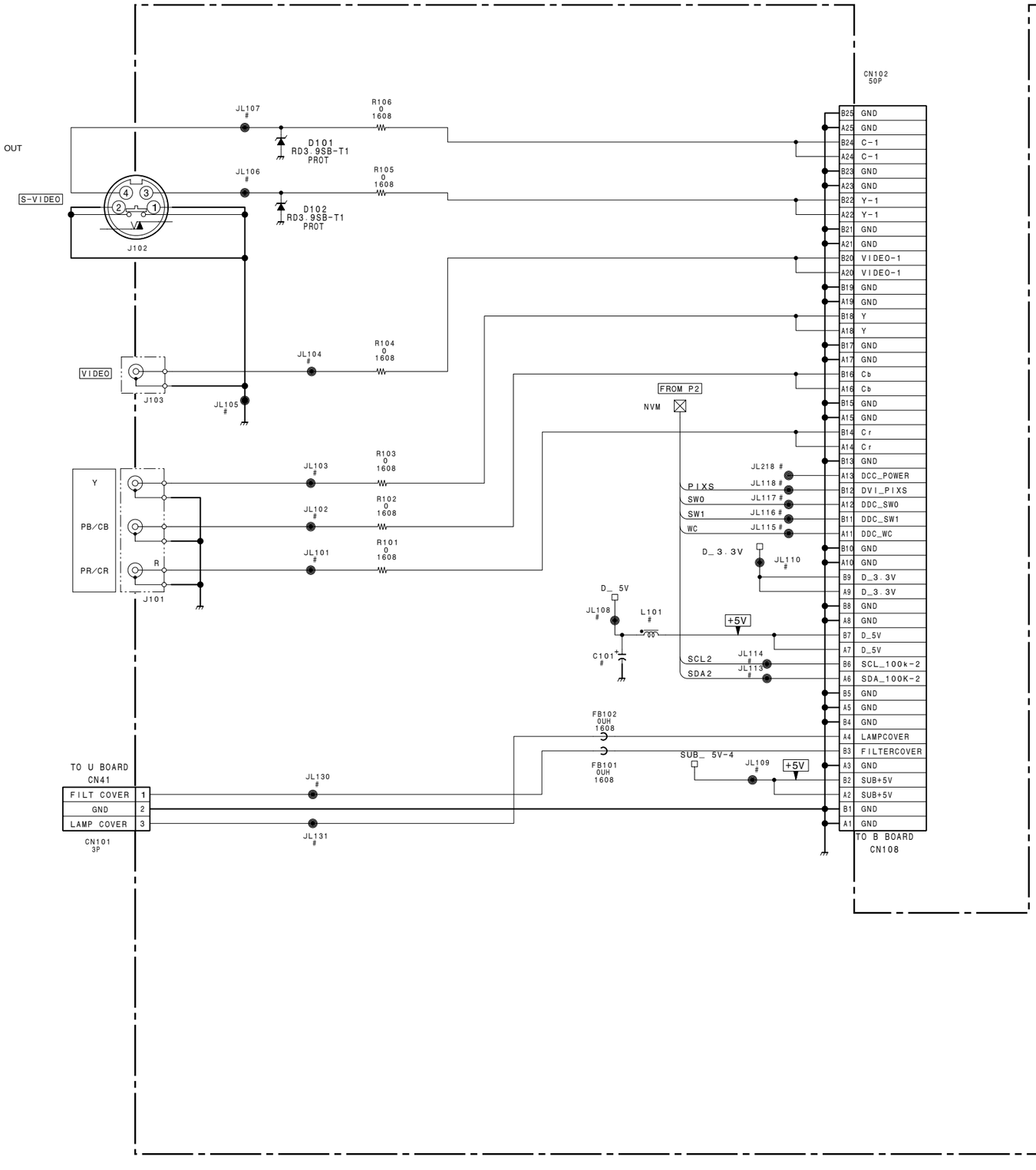
QB Board

*:B SIDE

D101	A-1
D102	A-1
D201	C-1
D202	C-1
D203	*D-1
D204	C-1
D205	C-1
D206	C-1
D207	C-1
D208	A-3
IC201	A-2
IC202	A-3
IC205	C-2
IC206	B-2
IC210	A-1
IC211	A-2
IC212	A-3
Q203	A-1
Q205	B-3
TP201	A-1
TP202	B-2
TP203	B-2
TP204	B-2
TP205	B-2

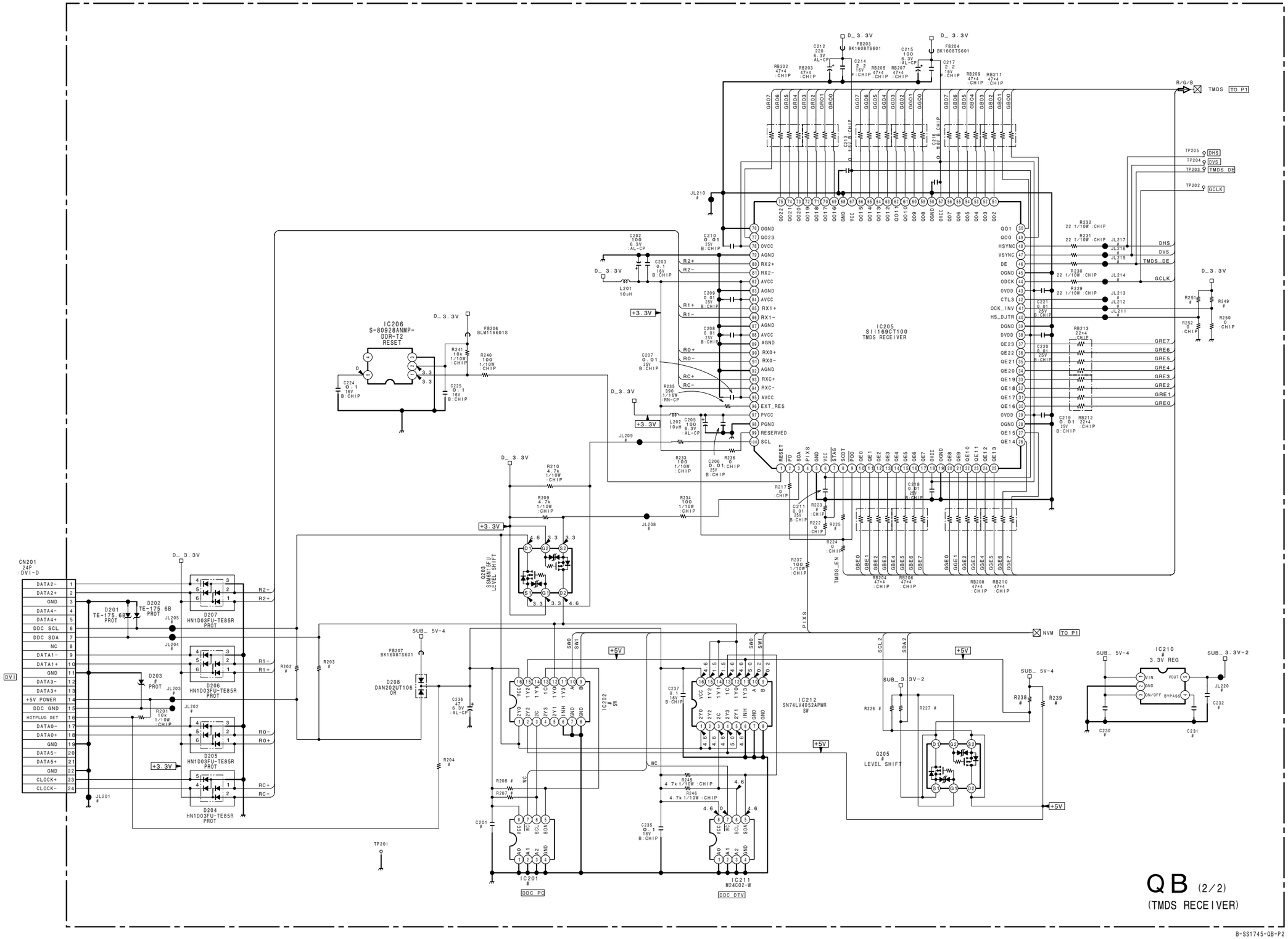
S-80928ANMP-DDR-T2 (IC206)

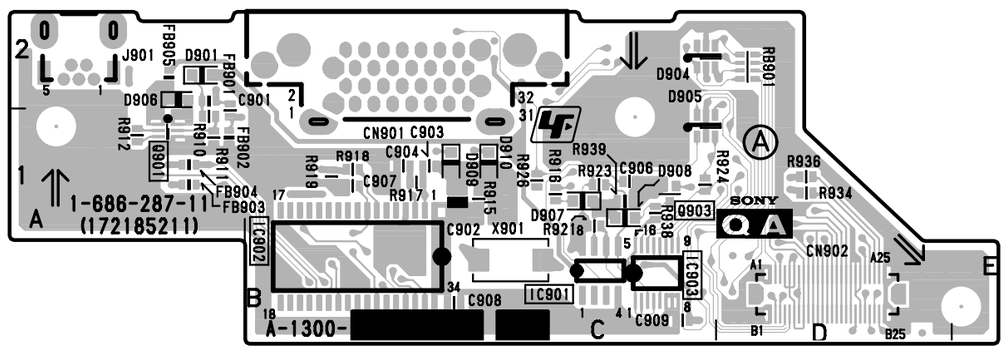




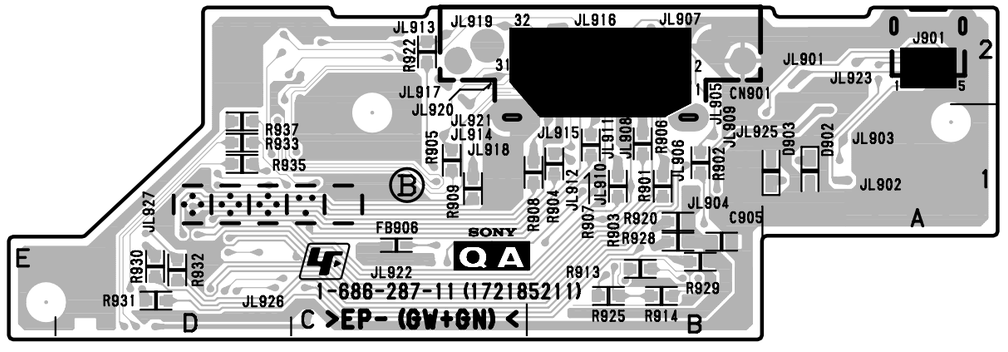
QB (1/2)
(TMDS RECEIVER)

B-SS1745-QB-P1


IC205
SiI169CT100
TMDS RECEIVER
IC206
S-80928ANMP-DDR-T2
RESET
IC202
SW
IC212
SN74LV4052APWR
SW
IC201
DDC_PC
IC211
M24C02-W
DDC_DTV
IC210
3.3V REG
Q203
SSM3H1FU
LEVEL SHIFT
Q205
LEVEL SHIFT
CN201
24P
:DVI-D
DVI
TMDS TO P1
NVM TO P1
D_3.3V
+3.3V
+5V
SUB_5V-4
SUB_3.3V-2
PIXS
TMDS_EN
DDC_PC
DDC_DTV
QB (2/2)
(TMDS RECEIVER)
B-SS1745-QB-P2



QA -A SIDE-
SUFFIX: -11

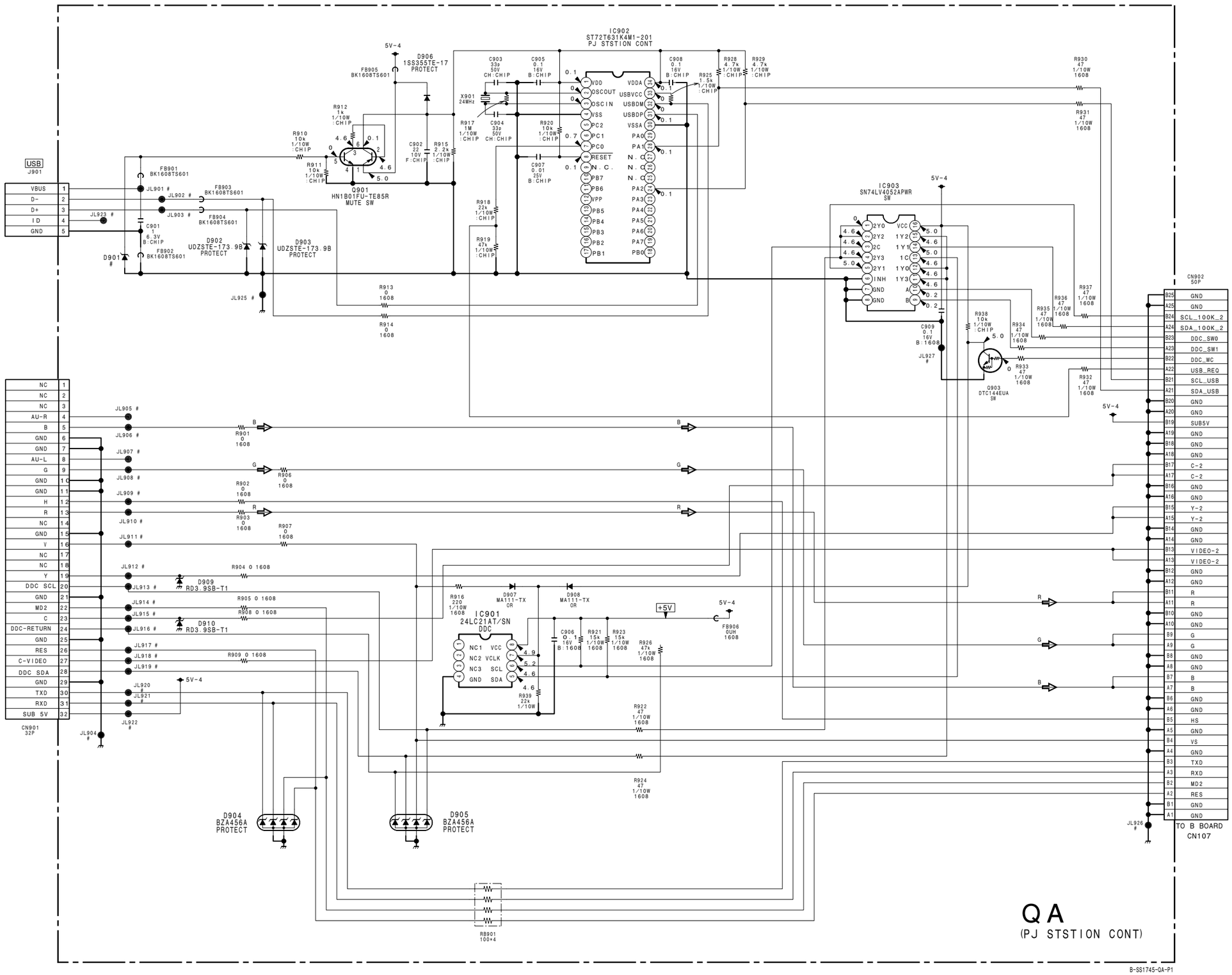


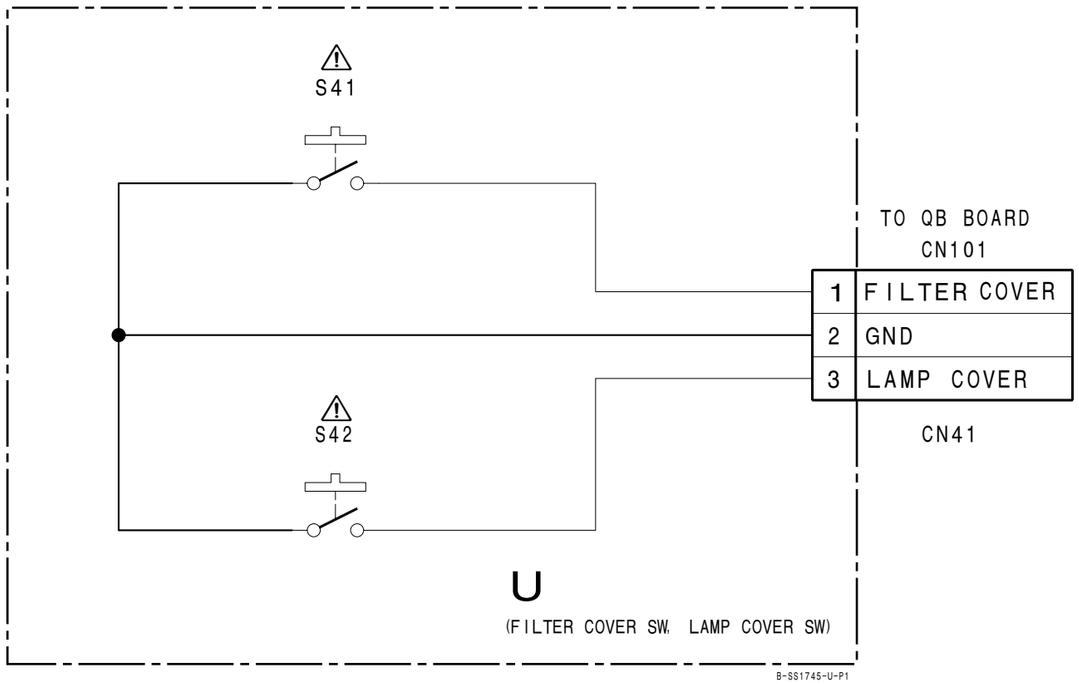
QA -B SIDE-
SUFFIX: -11

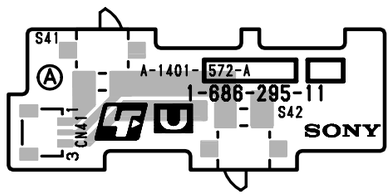
QA Board

*:B SIDE

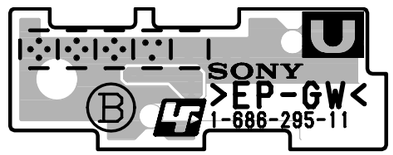
D902	*A-1
D903	*A-1
D904	C-2
D905	C-2
D906	A-2
D907	C-1
D908	
D909	C-1
D910	C-1
IC901	C-1
IC902	B-1
IC903	C-1
Q901	A-1
Q903	C-1


IC902
ST72T631K4M1-201
PJ STSTION CONT
IC903
SN74LV4052APWR
SW
IC901
24LC21AT/SN
DDC
Q901
HN1B01FU-TE85R
MUTE SW
Q903
DTC144EUA
SW
USB
J901
VBUS
D-
D+
ID
GND
MULTI
CN901
32P
NC
NC
NC
AU-R
B
GND
GND
AU-L
G
GND
GND
H
R
NC
GND
V
NC
NC
Y
DDC SCL
GND
MD2
C
DDC-RETURN
GND
RES
C-VIDEO
DDC SDA
GND
TXD
RXD
SUB 5V
CN902
50P
GND
GND
SCL_100K_2
SDA_100K_2
DDC_SW0
DDC_SW1
DDC_WC
USB_REQ
SCL_USB
SDA_USB
GND
GND
SUB5V
GND
GND
GND
C-2
C-2
GND
GND
Y-2
Y-2
GND
GND
VIDEO-2
VIDEO-2
GND
GND
R
R
GND
GND
G
G
GND
GND
B
B
GND
GND
HS
GND
VS
GND
TXD
RXD
MD2
RES
GND
GND
TO B BOARD
CN107
D901
D902
UDZSTE-173.9B
PROTECT
D903
UDZSTE-173.9B
PROTECT
D904
BZA456A
PROTECT
D905
BZA456A
PROTECT
D906
1SS355TE-17
PROTECT
D907
MA111-TX
OR
D908
MA111-TX
OR
D909
RD3.9SB-T1
D910
RD3.9SB-T1
RB901
100×4
X901
24MHz
QA
(PJ STSTION CONT)
B-SS1745-QA-P1





U -A SIDE-
SUFFIX: -11



U -B SIDE-
SUFFIX: -11

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

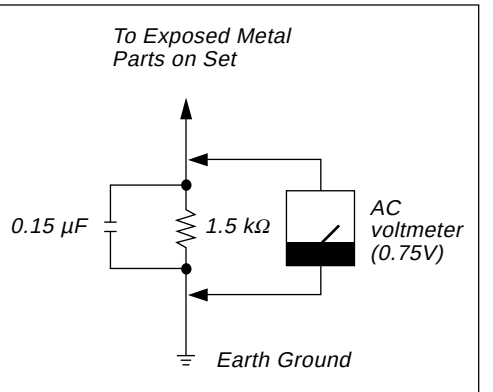


Fig A. Using an AC voltmeter to check AC leakage.

English
Sony Corporation
03EY22-1
9-870-350-02
B&P Company
©2002.9